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**U.S. Geological Survey Sources of Photographs and
Images of Biosphere Reserves Taken from Spacecraft and
Aircraft: Great Smoky Mountains National Park**

(U.S.) Geological Survey, Reston, VA

1978

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U.S. GEOLOGICAL SURVEY
SOURCES OF PHOTOGRAPHS AND IMAGES OF BIOSPHERE RESERVES
TAKEN FROM SPACECRAFT AND AIRCRAFT
GREAT SMOKY MOUNTAINS NATIONAL PARK



COMPILED BY JANET BONNER

Project No. 8 - Conservation of natural areas and of the
genetic material they contain

Prepared for the
Man and the Biosphere Program
by
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1978

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Each data report in this series lists remotely sensed data gathered from spacecraft and aircraft available for a single biosphere reserve. Computer listings of data are provided by the EROS Data Center of the U.S. Geological Survey, which contains in its archives all of the listed material in photographic form and, in the case of Landsat images, can make available computer-compatible magnetic tapes of any Landsat scene.				
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**U.S. Geological Survey Sources of Photographs and Images of
Biosphere Reserves from Spacecraft and Aircraft**

INTRODUCTION

Maintenance of a data base on the historic, present, and future conditions of biosphere reserves is one way in which original material may be made available to all interested researchers for a given area, such as a biosphere reserve.

Photographs and images of biosphere reserves taken from spacecraft and aircraft provide a significant data base showing both broad views and details of the landscape and are invaluable in searching for changes and trends in forest cover, water area, and other diagnostic landscape features.

Each data report in this series lists remotely sensed data gathered from spacecraft and aircraft available for a single biosphere reserve.

Computer listings of data are provided by the EROS Data Center of the U.S. Geological Survey (USGS), which contains in its archives all of the listed material in photographic form and, in the case of Landsat images, can make available computer-compatible magnetic tapes of any Landsat scene.

Aerial photographs that may have been taken by agencies other than the USGS and The National Aeronautics and Space Administration (NASA), such as project-oriented photographs taken by the National Park Service or Forest Service, are not included in the lists because such photographs are not available from the Geological Survey and are not included in the computer data base. Inquiries about additional photographs should be made of the agency managing each Biosphere Reserve.

As of the time of preparation of this report, there are 28 designated Biosphere Reserves in the United States. Figure 1 (Franklin, 1977) shows the location of the Reserves and the biotic provinces in which they are located. Reports similar to this one are available from each of the Reserves. Figure 1 shows 27 reserves. Since the preparation of

Figure 1 near here.

Franklin's article the Pawnee National Grassland (20) has been deleted as a biosphere reserve. There are three reserves which are not shown on the map in Figure 1. They are the Luquillo Experimental Forest, Puerto Rico; the Virgin Islands National Park, Virgin Islands; and Beaver Creek Watershed, Arizona.

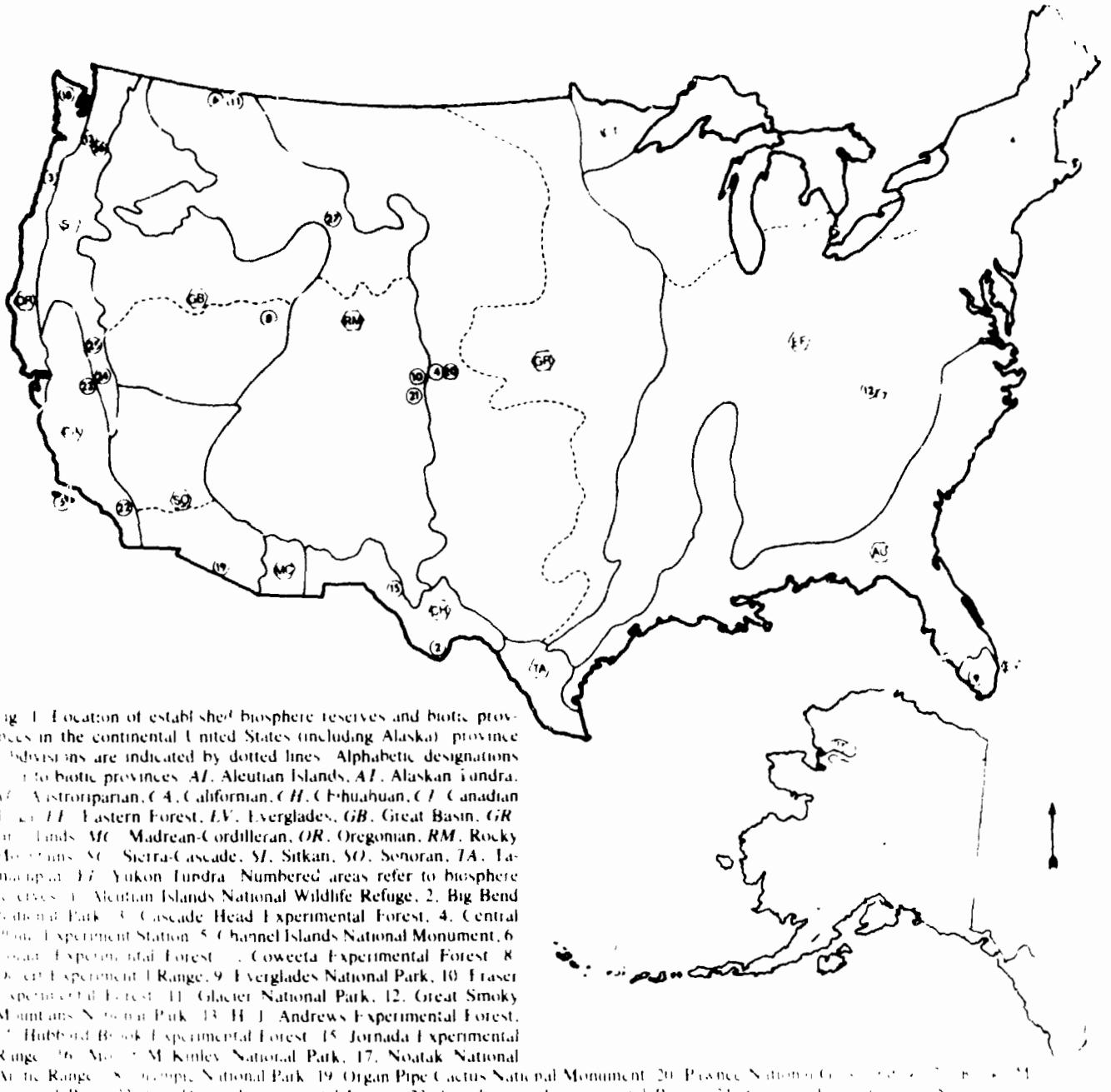


Figure 1.--Location of established biosphere reserves and biotic provinces in the continental United States (including Alaska)

From Franklin, J. F., "The Biosphere Reserve Program in the United States," Science, Vol. 195, page 263.

GREAT SMOKY MOUNTAINS NATIONAL PARK

This report lists the photographs and images of the Great Smoky Mountains National Park and adjacent areas (figure 2) available from the USGS. The list includes:

Figure 2 near here.

- | | |
|------------------------------------|--------------|
| 1. Landsat 1 and 2 (formerly ERTS) | 1972 to 1978 |
| 2. Skylab | 1973 to 1974 |
| 3. NASA aircraft photography | 1969 to 1973 |
| 4. USGS mapping photography | 1956 to 1975 |

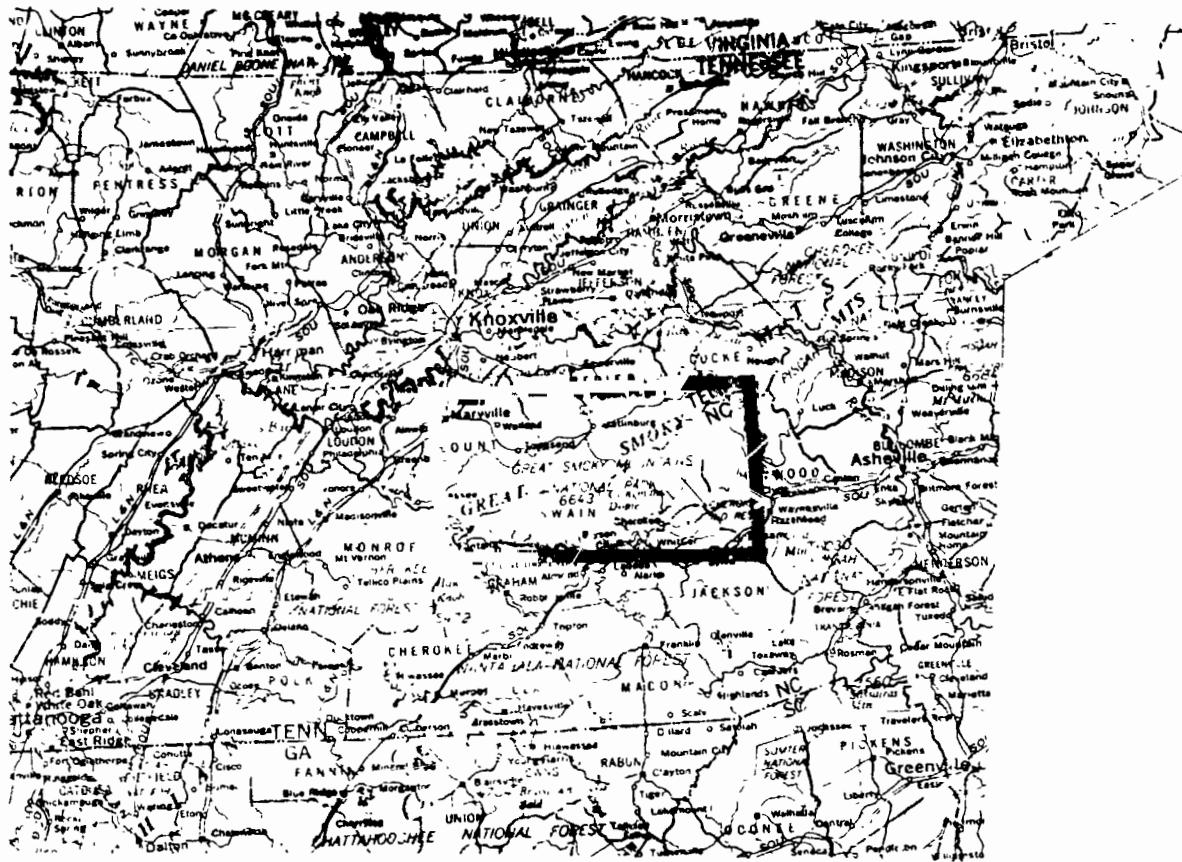


Figure 2.--Location of Great Smoky Mountains
and adjacent areas.

Latitude Range - N $35^{\circ}25'$ - $35^{\circ}48'$

Longitude Range - W $83^{\circ}2'$ - 84°

Computer Listing Key

This key is used to determine the characteristics of imagery listed on computer printouts. Individual photographic accessions can be evaluated and selected for ordering. Each computer listing has three parts:

1. Source Heading: Indicates origin of listing.
2. Search Summary: Indicates technical specifications of listing.
3. Body of Data: The format has two-line accessions (entries of data items). The first line contains entries identified by headings; the second line contains the corner coordinates.

Each data item is described in detail. Data type is listed at the top of each page and describes all accessions on the page.

Image type indicates whether the image is from Landsat ("ERTS" or "Landsat"), manned spacecraft ("Skylab" or "Manned-Sat-Skylab"), or from aircraft ("NASA Aircraft" or "Aerial Mapping").

1. For Landsat imagery - The satellite number and (when applicable) the sensors are indicated.
2. For Manned Spacecraft - The project, project number, and (when applicable) the sensors are indicated.
3. For Aircraft Data - The acquisition technique (i.e., "Standard," "Oblique," etc.) is indicated.

Other information

1. Identification number of the photo/scene - This 13 digit number is used to order the images. If listed, frame numbers are also required for ordering.

2. Frame numbers - Some aircraft accessions list frame numbers. If the accession represents only one frame, a single number is listed. If more than one frame is represented, two numbers are listed--a beginning frame, and an ending frame.
3. Path and Row - (Landsat Imagery only), Path and Row designations key the location of each image to the Worldwide Reference System. Path and Row cannot be used for ordering, except for the "Selected Landsat Coverage" system. However, they can be used to identify areas for geographic inquiries (Landsat only).
4. Film Source - dictates the type and sizes of products available. The products available are identified in product code tables on the order forms. Based on the Imagery Type and Film Source the proper order form and table or portion of a table must be identified. Only the products indicated are available. The codes used on the listing are: B/W - Black-and-white; COL - Color; CIR - Color-Infrared; FCC - Landsat False Color Composites.
5. Index type - is equivalent to Film Source except that it refers only to Photo Indexes.
6. Quality of the Imagery - is rated 0-9 with 9 being the best. Quality rating is subjective and based on many characteristics of the imagery and therefore does not directly indicate image usability for any given purpose.

7. Cloud Cover - indicates the percentage, in increments of 10, of the image obscured by clouds and their shadows. Classification of percent of cloud cover is subjective and is relative to the types and amount of clouds appearing on the image and not to their location.
8. Date of Image Exposure - indicates the month, day, and year that the image was taken.
9. Center Point - For single photo and multispectral data types: the latitude and longitude in degrees, minutes, and seconds for the geographic center of the image is listed. For photo series data type, the geographic center of the first frame of the series is listed.
10. Scale - For photo indexes the scale listed is that of the images from which the index is made, not that of the index itself. For all other data the scale is that of the original imagery.
11. Microfilm Location - Defines the cassette and frame number of the microfilm copy of the image. Microfilm is maintained by the NCIC facilities (see EDC booklet pp 5-7 or listing on order forms).
12. CCT - For Landsat only, this indicates the availability of Computer Compatible Tapes. An "N" indicates that a scene cannot be processed and is not available. A "Y" indicates that a scene has not yet been processed. Such scenes can be ordered from the Data Center. (Processing converts the raw video data to the Computer Compatible format and takes from 3 to 5 weeks).

11. (CP - For black-and-white Landsat only, this indicates the availability of a False Color Composite. An "N" indicates that a color composite is not available. A "Y" indicates that a color composite has been processed and can be ordered. A "P" indicates that a composite has not yet been processed. Such composites can be processed at the requester's expense (See the Landsat order form "Color Composite Generation"). The price of products desired is not included in the color composite generation charge.
- 14 Corner Point Coordinates - For single photo and multispectral data types, the latitude and longitude coordinates in degrees, minutes, and seconds of the image corners are listed. For photo series data types, the corners of the series are listed. For photo index data types, the coordinates of the corners of the index itself, not the component imagery, are listed.

HOW TO IDENTIFY INDIVIDUAL FRAMES WITHIN A PHOTO SERIES
(REFER TO "DATA TYPE")

Some Aircraft imagery is available by a strip of photographic coverage which describes two or more overlapping images along a single straight flight line segment.

To determine the strip coverage and the actual frame number to order, it is necessary to complete the following steps:

1. Obtain a map containing latitude/longitude coordinates of the area covered by the photo series. The map selected must provide sufficient resolution to allow plotting and interpreting photo coverage.
2. Plot the latitude/longitude point of the four CORNER POINT COORDINATES given on the computer listing, and connect by lines to form a rectangle of the total area covered by the photo series. (see figure 1)
3. Plot the FIRST FRAME CENTER COORDINATE, also given on the computer listing.
4. To determine the last frame center point, measure the distance from the edge of photo series to the first frame center point (distance A, figure 1), and plot an equal distance from the opposite end of the photo strip.
5. Using a ruler (or divider), determine all intermediate center points. Note that this distance will be less than the distance (A) due to forward overlap.
6. Number the center points, beginning with the FIRST FRAME number given on the computer listing. The last center point number should agree with the LAST FRAME number on the listing.
7. Make a square paper template to indicate individual photo coverage. The square should have sides equal to rectangle height (two times distance A).
8. Center the template over individual center points to determine the actual area covered by each photograph.
9. Select the frame numbers you wish to order, and complete the order form in accordance with instructions on the reverse side.

Plotting Photo Series Coverage
60% overlap
First Frame=37 Last Frame=48

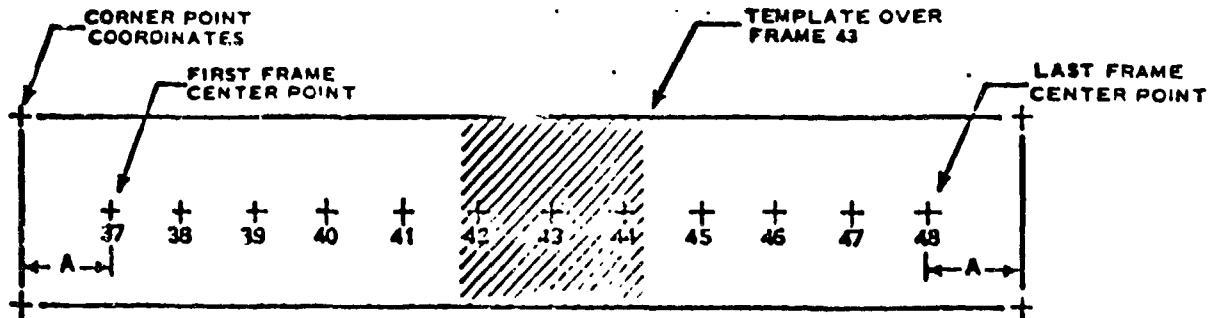


Figure 4.--How to identify individual frames within a photo series

**PHOTOGRAPHS AND MULTISPECTRAL IMAGERY TAKEN FROM
AIRCRAFT AND SPACECRAFT**

Landsat Data

The first Earth Resources Technology Satellite, ERTS 1 (later renamed Landsat 1) was launched July 23, 1972. Landsat 2 was launched on January 22, 1975. Each Landsat orbits 570 miles (920 km) above the Earth's surface and circles the Earth every 103 minutes. Each Landsat covers the entire globe, except for the poles, every 18 days. A unique feature of each satellite, because of the orbit, is that it views the Earth at the same local time, approximately 9:30 am at the Equator, on each pass.

The Landsat satellites have two imagery sensors, the RBV (return beam vidicon) and the MSS (multispectral scanner). The MSS is the primary sensor system and acquires images of 115 miles (185 km) per side in four spectral bands in the visible and near infrared portions of the electromagnetic spectrum. These four bands are:

Band 4, the green band, 0.5 to 0.6 micrometers, emphasizes movement of sediment-laden water and delineates areas of shallow water, such as shoals, reefs, etc;

Band 5, the red band, 0.6 to 0.7 micrometers, emphasizes cultural features, such as metropolitan areas;

Band 6, the near-infrared band, 0.7 to 0.8 micrometers, emphasizes vegetation, the boundaries between land and water, and landforms; and

Band 7, the second near-infrared band, 0.8 to 1.1 micrometers, provides the best penetration of atmospheric haze and also emphasizes vegetation, the boundaries between land and water, and landforms.

An analysis of the four individual black-and-white images or the false-color composite images permits users to identify and inventory different environmental phenomena, such as distribution and general type of vegetation, regional geologic structures, and areal extent of surface water. The repetitive (9 or 18 days) and seasonal coverage provided by Landsat imagery is an important tool for the interpretation of dynamic phenomena.

Landsat data in digital form are available as Computer Compatible Tapes (CCT). The tapes are standard 1/2-inch wide (12.7mm) magnetic tapes and may be requested in either seven- or nine-track format at 800 or 1,600 i.e. The number of CCT's required (one to four) for the digital data corresponding to one Landsat scene is dependent on the format requested. The data for the four MSS bands are interleaved among the tape(s), thereby necessitating all tapes to complete a set.

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DATE 8/8/76

CONTACT NUMBER 000051002
NAME

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LANDSAT-2 (LSS)	8205115062500	E44-02-1"	W6000-	301	05/24/77	N36005M005-000000000005	1:3-369,000	021035M2G5+011P05	P
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LANDSAT-2 (LSS)	8283515072500	E44-02-1"	W6000-	302	05/06/77	N36007M005-000200000005	1:3-369,000	011035M015+011P05	P
CORNER POINT COORDINATES	#1: N36024M325 W08000+25050S 2: N36024M325 W08000+25050S 3: N36024M325 W08000+25050S 4: N36024M325 W08000+25050S								
LANDSAT-2 (LSS)	8281715002500	E44-02-1"	W6000-	302	04/10/77	N36005M005-00020114005	1:3-369,000	021025M245+011P05	P
CORNER POINT COORDINATES	#1: N36038M325 W08000+5P105+2: N36038M325 W08000+5P105+3: N36038M325 W08000+5P105+4: N36038M325 W08000+5P105+								
LANDSAT-2 (LSS)	82780115101500	E44-02-1"	W6000-	302	03/31/77	N36000M005-00020144005	1:3-369,000	021025M255+011P05	P
CORNER POINT COORDINATES	#1: N36036M125 W08000+5P105+2: N36036M125 W08000+5P105+3: N36036M125 W08000+5P105+4: N36036M125 W08000+5P105+								
LANDSAT-2 (LSS)	827945091500	E44-02-1"	W6000-	302	02/23/77	N3505M005-00020164005	1:3-369,000	021028M025+011P05	P
CORNER POINT COORDINATES	#1: N36036M115 S0810r06175, #2: N36036M115 S0810r06175, #3: N36036M115 S0810r06175, #4: N36036M115 S0810r06175								
LANDSAT-2 (LSS)	8266414113500	E44-02-1"	W6000-	302	02/11/77	N36000M005-0002015M005	1:3-369,000	021025M255+011P05	P
CORNER POINT COORDINATES	#1: N36036M115 S0820r06175, #2: N36036M115 S0820r06175, #3: N36036M115 S0820r06175, #4: N36036M115 S0820r06175								
LANDSAT-2 (LSS)	827451511500	E44-02-1"	W6000-	302	02/23/77	N3505M005-0002013M005	1:3-369,000	021028M025+011P05	P
CORNER POINT COORDINATES	#1: N36036M115 S0820r06175, #2: N36036M115 S0820r06175, #3: N36036M115 S0820r06175, #4: N36036M115 S0820r06175								
LANDSAT-2 (LSS)	826911513500	E44-02-1"	W6000-	302	01/21/77	N36005M005-0002013M005	1:3-369,000	021025M255+011P05	P
CORNER POINT COORDINATES	#1: N36036M115 S0820r06175, #2: N36036M115 S0820r06175, #3: N36036M115 S0820r06175, #4: N36036M115 S0820r06175								
LANDSAT-2 (LSS)	82722115122500	E44-02-1"	W6000-	302	01/10/77	N36004M005-0002014M005	1:3-369,000	021025M255+011P05	P
CORNER POINT COORDINATES	#1: N36036M115 S0820r06175, #2: N36036M115 S0820r06175, #3: N36036M115 S0820r06175, #4: N36036M115 S0820r06175								
LANDSAT-2 (LSS)	826371515500	E44-02-1"	W6000-	302	11/02/76	N35057M005-0002013M005	1:3-369,000	021025M255+011P05	P
CORNER POINT COORDINATES	#1: N36036M115 S0820r06175, #2: N36036M115 S0820r06175, #3: N36036M115 S0820r06175, #4: N36036M115 S0820r06175								
LANDSAT-2 (LSS)	826371515500	E44-02-1"	W6000-	302	10/26/76	N35056M005-0002013M005	1:3-369,000	021025M255+011P05	P
CORNER POINT COORDINATES	#1: N36036M115 S0820r06175, #2: N36036M115 S0820r06175, #3: N36036M115 S0820r06175, #4: N36036M115 S0820r06175								

PHONE 605-554-6511

SIGMA FALLS, SOUTH DAKOTA 57166
FEDERAL TELECOMMUNICATIONS SYSTEM PHONES USE 764-7151

CONTACT NUMBER: 0004531002

COUNTER/LAST PAGE

DATA TYPE LANDSAT

IMAGER-TYPE	SCENE	FILE#-SOURCE	QUALITY	CLOUD	EFO-E-LATE	SCENE-E-CREATE-E-POINT	SCENE-E-SCALE	MICROFORM	CCW	CCW
LANDSAT-1 (MSS)	85541114423500	64W-02-1"	8888*	102	1C71176	N160140005	4062020m005	1:3-369,000	8110C540318	P
COUNTER POINT COORDINATES=81:1N36038M435 W084.07N37.30E095 W084.07N37.30E095										
LANDSAT-2 (MSS)	826114163500	84W-02-1"	8888*	702	1C70276	N15554005	40620164005	1:3-369,000	8110C230155	F
COUNTER POINT COORDINATES=81:1N36038M435 W082.07N37.30E095										
LANDSAT-1 (MSS)	8552314460500	64W-02-1"	8888*	102	0923276	N16020005	40620164005	1:3-369,000	8110C510622	P
COUNTER POINT COORDINATES=81:1N36038M435 W081.07N37.30E095 W081.07N37.30E095										
LANDSAT-2 (MSS)	8260115171500	84W-02-1"	8888*	702	0914276	N15640005	40620164005	1:3-369,000	8110C220059	F
COUNTER POINT COORDINATES=81:1N36016M465 W081.07N37.30E095 W081.07N37.30E095										
LANDSAT-1 (MSS)	8550514453500	84W-02-1"	8885*	702	0915276	N160210005	40620164005	1:3-369,000	8110C530225	P
COUNTER POINT COORDINATES=81:1N36038M435 W081.07N37.30E095 W081.07N37.30E095										
LANDSAT-2 (MSS)	8258315173500	84W-02-1"	8888*	802	0927276	N16020005	40620080005	1:3-369,000	8110C220061	P
COUNTER POINT COORDINATES=81:1N36040M315 W082.07N37.30E095 W082.07N37.30E095										
LANDSAT-1 (MSS)	85548714470500	64W-02-1"	8888*	102	0810276	N160219005	40620190005	1:3-369,000	8110C525000	P
COUNTER POINT COORDINATES=81:1N36044M455 W081.07N37.30E095 W081.07N37.30E095										
LANDSAT-2 (MSS)	8256515180500	84W-02-1"	8888*	502	0916276	N160211005	40620080005	1:3-369,000	8110C21075	P
COUNTER POINT COORDINATES=81:1N36030M415 W082.07N37.30E095 W082.07N37.30E095										
LANDSAT-1 (MSS)	8256115183500	84W-02-1"	8888*	602	0722276	N155054005	40620080005	1:3-369,000	8110C21087	P
COUNTER POINT COORDINATES=81:1N36034M455 W080.07N37.30E095 W080.07N37.30E095										
LANDSAT-2 (MSS)	854511450000	84W-02-1"	8558*	202	0713276	N16020210005	40620210005	1:3-369,000	8110C510161	P
COUNTER POINT COORDINATES=81:1N36040M455 W081.07N37.30E095 W081.07N37.30E095										
LANDSAT-1 (MSS)	825911519230	84W-02-1"	8888*	902	0704276	N155720005	40620090005	1:3-369,000	8110C220354	P
COUNTER POINT COORDINATES=81:1N36033M145 W080.07N37.30E095 W080.07N37.30E095										
LANDSAT-2 (MSS)	825115193210	84W-02-1"	8888*	902	0616276	N155053M005	40620100005	1:3-369,000	8110C151117	P
COUNTER POINT COORDINATES=81:1N36029M175 W080.07N37.30E095 W080.07N37.30E095										
LANDSAT-1 (MSS)	8541514522500	84W-02-1"	8888*	102	0607276	N1602204005	40620250005	1:3-369,000	8110C5CC1167	P
COUNTER POINT COORDINATES=81:1N36039M125 W081.07N37.30E095 W081.07N37.30E095										
LANDSAT-2 (MSS)	8242315200506	84W-02-1"	8888*	802	0529276	N155564005	40620060005	1:3-369,000	8110C150225	P
COUNTER POINT COORDINATES=81:1N36031M575 W080.07N37.30E095 W080.07N37.30E095										
LANDSAT-1 (MSS)	853145240500	84W-02-1"	8888*	002	0520276	N160200005	40620240005	1:3-369,000	8110C0050761	P
COUNTER POINT COORDINATES=81:1N36036M575 W081.07N37.30E095 W081.07N37.30E095										
LANDSAT-2 (MSS)	8242315200506	84W-02-1"	8888*	902	0512276	N155564005	40620050005	1:3-369,000	8110C150225	P
COUNTER POINT COORDINATES=81:1N36036M575 W081.07N37.30E095 W081.07N37.30E095										

PHONE 805-544-6511 FAX 805-544-6510
SICOM POINTS, 5719A, 5719B,
5719C, 5719D, 5719E, 5719F,
5719G, 5719H, 5719I, 5719J,
5719K, 5719L, 5719M, 5719N,
5719O, 5719P, 5719Q, 5719R,
5719S, 5719T, 5719U, 5719V,
5719W, 5719X, 5719Y, 5719Z

CONFIRM NUMBER 000456102

DATA TYPE LANDSAT
IMAGERY-TYPE SCENE 10 FILM-SOURCE QUALITY CLOUD INFO-LATE SCENE-CENTER-POINT! SCENE-SCALE MICROFORM CCL_CCI
8192

Path-14 Muir 35 LANDSAT
LANDSAT-1 (MSS) - 8537914351500 E4W-02, " 8888. 502 05/02/76 436CC34C05 4C820204005 111,369,000 81104560265 F
CLOUD POINT COORDINATES=el:4360349315e2:h36c56e15 40836443235 40836443235 40836443235 40836443235 40836443235
LANDSAT-2 (MSS) - 8245715205500 E4W-C2, " 8988. 04/23/76 h36060005 4C820205005 111,369,000 82110456015 F
CLOUD POINT COORDINATES=el:4363601m345 40860 43735 40821464215 40821464215 40821464215 40821464215
LANDSAT-1 (MSS) - 8536114563500 E4W-C2, " 8988. 102 06/14/76 43607-005 4C820208005 111,369,000 81104420623 F
CLOUD POINT COORDINATES=el:436031m175 40860 43735 40810174645 40810174645 40810174645 40810174645
LANDSAT-2 (MSS) - 824391521500 E4W-C2, " 8988. 002 04/05/76 43606m005 4C820206005 111,369,000 821017C825 2
CLOUD POINT COORDINATES=el:436041m435 40800 41645 40837003035 40837003035 40837003035 40837003035
LANDSAT-2 (MSS) - 82436115233500 E4W-C2, " 8988. 002 02/29/76 43505m005 4C820213005 111,369,000 821016C562 F
CLOUD POINT COORDINATES=el:43604m545 40821574095 4082046005 4082046005 4082046005 4082046005
LANDSAT-1 (MSS) - 8527115022500 E4W-C2, " 8988. 902 02/11/76 43505m005 4082046005 111,369,000 821015C825
CLOUD POINT COORDINATES=el:436028m275 40810206655 40810206655 40810206655 40810206655
LANDSAT-2 (MSS) - 8236715234500 E4W-C2, " 8988. 002 01/15/76 43505m005 4082046005 111,369,000 821014C554
CLOUD POINT COORDINATES=el:436031m155 40820354215 40820354215 40820354215 40820354215
LANDSAT-1 (MSS) - 85236115234500 E4W-C2, " 8988. 002 01/06/76 43505m005 40821524205 111,369,000 821013C825
CLOUD POINT COORDINATES=el:436052m175 40800 39475 40813651m25 40813651m25 40813651m25
LANDSAT-1 (MSS) - 85236115234500 E4W-C2, " 8988. 501 12/28/75 43603m005 4C820204005 111,369,000 811043C825
CLOUD POINT COORDINATES=el:436039m175 40800 41645 40813651m25 40813651m25 40813651m25
LANDSAT-2 (MSS) - 8231152353600 E4W-02, " 8888. 002 12/19/75 43605m005 4082046005 111,369,000 821013C825
CLOUD POINT COORDINATES=el:436040m235 40800 49065 49065 49065 49065
LANDSAT-2 (MSS) - 82311524000 E4W-02, " 8888. 102 12/01/75 43605m005 4082035155 4082035155 4082035155
CLOUD POINT COORDINATES=el:436043m175 40800 5276.82 4370017425 40821524205 40821524205
LANDSAT-1 (MSS) - 851915070500 E4W-02, " 5588. 205 11/04/75 43605m005 4082174225 4082174225 4082174225
CLOUD POINT COORDINATES=el:436043m175 40800 5276.82 4370017425 40821524205 40821524205
LANDSAT-2 (MSS) - 822715242500 E4W-02, " 5588. 2222. 902 10/26/75 43607m005 40821524205 40821524205
CLOUD POINT COORDINATES=el:436043m175 40800 5276.82 4370017425 40821524205 40821524205

SIOUX CITY, IOWA
SIOUX FALLS, SOUTH DAKOTA 57198
FEDERAL TELECOMMUNICATIONS SYSTEM FACSIMILE USE 784-7151
PHONE 605-596-6551
CONTACT NUMBER 0CC431002

SEARCHED INDEXED SERIALIZED FILED
DATE 08/31/78 TIME 22:36 PAGE 3

CONTRACT NUMBER CCC-4531002

PAPILLARY CARCINOMA

EEFS DATA CENTER
SICU FALLS, SOUTH DAKOTA 57196
FEDERAL TELECOMMUNICATIONS SYSTEM PHONES USE 784-7191

PHONE 605-554-6511
CONTACT NUMBER 00C6531002
EIGEN/PLAS

REPORT NO. 000277
DATE 08/31/70
TIME 22:36
PAGE 7

DATA TYPE LANDSAT

IMAGERY-TYPE	SCENE ID	FILM-SOURCE	QUALITY	CLOUD EXFO-CATE	SCENE-CENTER-H-POINT	SCENE-SCALE	MICROFORM	BRPL	CCL CCR
LANDSAT-1 (HSS)	81A93152422500	E4W-02 1"	0856*	01/02/75	N350577-005	00807016H00- 1:3:369-000	6110C32C575	F	N
CORNER POINT COORDINATES= #1:N36033M27S W061072P045E #2:N35051M15W0632C2#125, #3: A5C19M42S W063032P45, #4:N3502M02S W061034P535									
LANDSAT-1 (HSS)	81A7515240500	E4W-02 1"	0856*	12/15/74	N3600CMCCS	W062017M005 1:3:369-000	611033C635	P	N
CORNER POINT COORDINATES= #1:N36036M21S W061081P013, #2:N36054M23S W061083P013, #3: A15C22P54S W063031P-15, #4:N3505H2CS W061034P025									
LANDSAT-1 (HSS)	81A8515245500	E4W-02 1"	5889*	11/27/74	N3600CMCCS	W062015M005 1:3:369-000	6110C32C73C	P	N
CORNER POINT COORDINATES= #1:N36038M01S W060782P045S, #2:N36058M07S W06082P58P44S, #3: A15C25H15S W063032P05S, #4:N350D07M36S W061032P20S									
LANDSAT-1 (HSS)	81A3315243500	E4W-02 1"	8888*	03/2 11/09/74	N3600CM4005	W062015M005 1:3:369-000	6110C311CC1	P	N
CORNER POINT COORDINATES= #1:N36039M52S W061082P05S, #2:N36058M54S W06082P58P345, #3: A15C27H25S W063028P09S, #4:N350D9M5CS W061032P30S									
LANDSAT-1 (HSS)	81A62115262500	E4W-02 1"	55A5*	12/10/22/74	N3600CM005	W062009M005 1:3:369-000	6110C31C37	P	N
CORNER POINT COORDINATES= #1:N31D404M55S W060900P9580S, #2:N36058M35S W06082P58P35S, #3: A35D26L7TS W063026P65S, #4:N35D10M5CS W061032M25S									
LANDSAT-1 (HSS)	81A900115262200	E4W-02 1"	5608*	00/01/04/74	N3600CM005	W062009M005 1:3:369-000	6110C31G26	P	N
CORNER POINT COORDINATES= #1:N36035C422S W060800P737113, #2:N36057H005 W06082P58P22P56S, #3: A15C05M53S W063023P015P56S, #4:N350M5CS W061032C6CS									
LANDSAT-1 (HSS)	81A715265500	E4W-02 1"	55A8*	10/1 05/16/76	N35C5BM005	W062014M005 1:3:369-000	6110C31C01C8	P	N
CORNER POINT COORDINATES= #1:N36035M53S W060800P6P075, #2: N36052M27S W06082P58P21S, #3: A35C20M23S W063024P46S, #4:N35D03M15S W061032P55S									
LANDSAT-1 (HSS)	81A76115274500	E4W-02 1"	6888*	70/2 08/29/74	N35C5AM005	W0620214M005 1:3:369-000	6110C250441	P	N
CORNER POINT COORDINATES= #1:N36030M55S W060800P9P06S, #2:N36054M15S W06082P58P15S, #3: A25C16I18S W063027P53S, #4:N35M59H055 W061022P951S									
LANDSAT-1 (HSS)	81A74915282200	E4W-02 1"	8888*	08/21/74	N3600CM005	W062015M005 1:3:369-000	6110C5H2ES	W06103C454S	N
CORNER POINT COORDINATES= #1:N36037M00S, #2:N36040M07S, #3: A16054M15S W06082P58P12S, #4:N35C22H10S W063028P45S, #5: A35C16I08S W063032P55S									
LANDSAT-1 (HSS)	81A73115290500	E4W-02 1"	5588*	90/2 07/24/74	N3505MHC05	W0620215M005 1:3:369-000	6110C27C63S	P	N
CORNER POINT COORDINATES= #1:N36035M36S W060800P30S, #2:N36053M03S W06082P58P14S, #3: A15C21P15S W063028P15S, #4:N350M35S W061031P15S									
LANDSAT-1 (HSS)	81A71315293500	E4W-02 1"	5608*	02/07/06/74	N3600CM005	W062013M56S 1:3:369-000	6110C26M46S	F	N
CORNER POINT COORDINATES= #1:N36042M25S W060800P9P23S, #2: N36050M52S W06082C5P07S, #3: A35C29M09S W063027M245S, #4:N35D12P0ES W061034H90S									
LANDSAT-1 (HSS)	81A69515301500	E4W-02 1"	5888*	02/10/74	N3600CM42S	W062017M022 1:3:369-000	6110C2D066E	F	N
CORNER POINT COORDINATES= #1:N36042M25S W060800P9P23S, #2: N36050M52S W06082C5P005, #3: A35C27H43S W063027M15S, #4:N35D14P05S									
LANDSAT-1 (HSS)	81A67715304500	E4W-02 1"	6968*	70/2 05/31/74	N3601CM07S	W062015M005 1:3:369-000	6110C251C26S	F	N
CORNER POINT COORDINATES= #1:N36040M42S W060810P0M9S, #2: N3703M54S W06082P58P12S, #3: A35C32P85 W063029M245S, #4:N350M57S W061032P69S									
LANDSAT-1 (HSS)	81A6411511521500	E4W-02 1"	8888*	00/07/74	N3600JM55S	W062012M50S 1:3:369-000	6110C22A854	P	N
CORNER POINT COORDINATES= #1:N36037M03S W060800P7P13S, #2: N36053M53S W06082P58P20S, #3: A35C28M12S W063023P45S, #4:N350M54S W061032P35S									

PHONE 605-544-6511 SIGUR FEDERAL COMMUNICATIONS COMMISSION
FEDERAL TELECOMMUNICATIONS SYSTEM PAYEES USE 784-7151
57198
SIGUR FALLS SOUTH DAKOTA

08/23/11
22:36
PAGE 3
TYPE 2

CONTINUATION NUMBER 000451002

NUMBERS

SCENE-ID: MICROFOAM_CCL_CCT SCENE-CENTER-POINT: 6142 IMAGERY-TYPE: FILTERED-GRADE-QUALITY CLOUD EXPORT-DATE: 2014-05-26 10:00:00 SCENE-ID: MICROFOAM_CCL_CCT SCENE-CENTER-POINT: 6142

PATH# 19 RUM# 35 LANJSAT
LAKESAT-1 (M55) - 6160515323500 E4W-02.** 3888. 902 0312C74 N166DD01M35S W082DD01M27S 113,3154,000 8116622211C1 P N

ՀԱՅԱՍՏԱՆԻ ՀԱՆՐԱՊԵՏՈՒԹՅԱՆ ԿԱռավարության ՀԱՆՐԱՊԵՏԱԿԱՆ ԽՈՐՎԱԴՐՈՒՅԹ

卷之三

TANZANIA - 1 (1955)

— 4465A-1 (555) — 8166113152500 674-02-1W AA No. 0001 1622771 160001204

14005A[0-1] (*****)

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COMBINATION POINTS - 1136040445 W083058M055, #2: H33158M215 8082259P185, #3: 315265885 W083032M075, #4: 31509M455 W083031M465 -

LANDSAT-1 (MSI2)

[100013] (ISSUE) 1351172500 6/6/07-10 AMM - 901 07/11/77

CIRCUITUS A MELBOURNE

21

SICU FALLS, SOUTH DAKOTA 57196
FEDERAL TELECOMMUNICATIONS SYSTEM
PHONE 605-594-6511 FAX 605-594-7151
CONTACT NUMBER 000451002
QUINN JAS

CONTACT NUMBER 0004531002
BUNEA/LAS

DATA TYPE LANDSCAPE

SIGN FALLS, SOUTH DAKOTA 57166
FEDERAL TELECOMMUNICATIONS SYSTEM PHONES USE 784-7151
TELEPHONE 605-554-6911

CONTACT NUMBER 0004531002
OWNER/LAS

DATA 1 AND 1

W.H. 16. H.H. 16. 1141531

LUCILLE F. RUMMEL COMMUNICATED BY
THE U.S. BUREAU OF INVESTIGATION
AND THE U.S. ATTORNEY'S OFFICE,
NEW YORK CITY.

NANDA 11 (MS1) - 05090140405000 C02042M003 1:31:69-000 8110C610262 P N
NANDA 10X 10/03/77 M003M005 C02042M003 1:31:69-000 8110C610262 P N

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ANCSA-1 (MSST) 058621430500 631-02-17 M108 802 04/26/77 3340324005 402045M005 133-369-000 B110C62075 P N

THE JOURNAL OF POLYMER SCIENCE: PART A-1

ANDSAT-2 (195) d290715040500 - 644 - 02.17 - 55886 - 201 07/17/77 H4C324USS 002016005 13367,000 220C3-100005 13367,000 369463 W083R9495CS,491N32 92321513555

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REPORT NO. D10-5178
DATE 08/31/78
TIME 21:16
PAGE 11

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SIGFOX FALSE, S004, D004, C004, SYSTEM FALSE USE 7040-7151

SIGURO FALLS, SUDAN COMMUNICABLE DISEASES 1966-71 31

HOME 803

CONTACT www.Easy-Books.com 00004531002

DATA TYPE

卷之三十一

PATH 15 June 36 LANDSAT
 LANDSAT-2 (LSS) 8243515205500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0210C170626 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C15h525 003:3404h24S W083045h155h4:1:N 3D 46h52S w081051165
 LANDSAT-1 (LSS) 85310715001500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0110C570765 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C15h525 003:3404h24S W083045h155h4:1:N 3D 46h52S w081051165
 LANDSAT-1 (LSS) 85310715001500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0110C570765 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C15h525 003:3404h24S W083045h155h4:1:N 3D 46h52S w081051165
 LANDSAT-1 (LSS) 85310715001500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0110C570765 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C15h525 003:3404h24S W083045h155h4:1:N 3D 46h52S w081051165
 LANDSAT-2 (LSS) 823491520500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0210C140604 P
 CORNER POINT COORDINATES=nl13415006h51 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054105
 LANDSAT-1 (LSS) 85310715001500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0110C570765 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C15h525 003:3404h24S W083045h155h4:1:N 3D 46h52S w081051165
 LANDSAT-2 (LSS) 80800- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0210C0131C21 P
 CORNER POINT COORDINATES=nl135015h516 NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w0810494315
 LANDSAT-1 (LSS) 8521515051500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0110C570765 P
 CORNER POINT COORDINATES=nl1350171355 NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054125
 LANDSAT-2 (LSS) 8231115201500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0210C130563 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054125
 LANDSAT-1 (LSS) 8521715062500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0110C570765 P
 CORNER POINT COORDINATES=nl1350171351 NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054125
 LANDSAT-2 (LSS) 822951524500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0210C122622 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054125
 LANDSAT-1 (LSS) 851633504500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0110C570765 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054125
 LANDSAT-2 (LSS) 8222315251500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0210C10925 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054125
 LANDSAT-1 (LSS) 851635104500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0110C570765 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054125
 LANDSAT-2 (LSS) 80500- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0210C024490CC 003:111057355 W083045h155h4:1:N 3D 46h52S w081054125
 CORNER POINT COORDINATES=nl135012h27S NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054125
 LANDSAT-1 (LSS) 85127511514500 844-02.1" 00000- 002 0405/76 NL4C4P005 00020313W005 1:3-369,000 0110C570765 P
 CORNER POINT COORDINATES=nl1350164555 NL081019295002:h35C13h54S 003:102h11S 002:45h42S W083045h155h4:1:N 3D 46h52S w081054125

EROS DATA CENTER
SIoux Falls, South Dakota 57166
FEDERAL TELECOMMUNICATIONS SYSTEM PHASES USE 704-7151
PHONE 605-564-6511
CONTACT NUMBER 0004531002

DATA TYPE LANDSCAPE

SIGN FALLS, SOUTH DAKOTA 57158
PHONE 605-554-6551 FEDERAL TELECOMMUNICATIONS SYSTEM NUMBER USE 784-7151
CONTACT NAME: 0000531002
ADDRESS

EFC DATA CENTER
SIOUX FALLS, SOUTH DAKOTA 57198
FEDERAL TELECOMMUNICATIONS SYSTEM PLACES 652-784-7151
PHONE 605-594-6511
CONTACT NUMBER 004531002
DATA FAXES

DATA TYPE LANCESAT

PHONE 605-564-6511 FEDERAL TELECOMMUNICATIONS
SIOUX FALLS, SOUTH DAKOTA 57198
CABLE ADDRESS SOUTHERN 784-7115

CELESTE - MUSIQUE 3

DATA TYPE L4H0541

פְּלִימָה - אֲוֹלֶה כְּבָשׂוֹן נַדְרֵת וְאַפְּרִים

PATH=20 R01 35 LANDSAT
 LANDSAT-2 (MSS) 92112415032X0 E14W-02-1° 8868* 02/19/78 135C54W265 4C83C36W115 1:3:369:000 *0C0C0C0CC F N
 CENTER POINT COORDINATES:#=N36D28M40S W082D07133 02:436D46M16S 084C11P315 3:435C22M135 W084D37M515, 84N32D04M35 NCE2D49P465
 CURRENT POINT COORDINATES:#=N36D28M40S W082D07133
 LANDSAT-2 (MSS) 32110615021X0 E14W-02-1° 8868* 02/19/78 135C54W235 4C83C30M075 1:3:369:000 *0C0C0C0CC F N
 CENTER POINT COORDINATES:#=N36D28M40S W082D07133 02:436D46M135 084C11P275 3:435C22M095 W084D37M73, 84N32D04M49 P N
 LANDSAT-2 (MSS) 82109615013X0 E14W-02-1° 8868* 02/19/78 135C54W185 4C83D03M075 1:3:369:000 *0C0C0C0CC F N
 CENTER POINT COORDINATES:#=N36D30M11S W082D07P233 02:436D43M85 084C17P265 3:435C24P55 W084D43M55, 84N32D04M49 P N
 LANDSAT-2 (MSS) 0607015013500 E14W-02-1° 8868* 02/19/78 135C56W045 4C83D03M7005 1:3:369:000 *0C0C0C0CC F N
 CENTER POINT COORDINATES:#=N36D32M075 W082D07P165 02:436D50M43 084C16P105 3:435C15M95 W084D51M65, 84N32D01M015
 LANDSAT-2 (MSS) 0605215014500 E14W-02-1° 8868* 12/09/77 135C54W005 4C83D42M005 1:3:369:000 *210C07C416 F N
 CENTER POINT COORDINATES:#=N36D27M22S W082D6112 02:436D54M505 084C26P195 3:435C13M85 W084D56M25, 84N32D05P475
 LANDSAT-2 (MSS) 0595314003500 E14W-02-1° 8868* 902 11/27/77 136D02M005 4C83D47M005 1:3:369:000 0110C06M022 F N
 CENTER POINT COORDINATES:#=N36D37M22S W082D7P035 02:437M05H025 084C17M24S 3:435C24M65 W085D01M65, 84N32D05P465
 LANDSAT-2 (MSS) 0303415024500 E14W-02-1° 8868* 902 11/21/77 135C56W005 4C83D45M005 1:3:369:000 *000C0C0CC F N
 CENTER POINT COORDINATES:#=N36D32M22S W082D79P122 02:436D50M475 084C29P155 3:435C16P535 W084D59M425, 84N32D01P505
 LANDSAT-2 (MSS) 459351402500 E14W-02-1° 8868* 702 11/03/77 136C02M005 4C83C42M005 1:3:369:000 0110C06M04C5 F N
 CENTER POINT COORDINATES:#=N36D37M45S W082D7U6P25 02:436C52M195 084C26P485 3:435C02P275 W084D56M115, 84N32D06M215
 LANDSAT-2 (MSS) 2601615012200 E14W-02-1° 8868* 802 11/03/77 135C57P105 4C83C40M005 1:3:369:000 *0C0C0C0CC F N
 CENTER POINT COORDINATES:#=N36D33M12S W082D7P45S 02:436C51M225 084C24P035 3:435C26P045 W084D57M55, 84N32D02M215
 LANDSAT-1 (MSS) 05519171422500 E14W-02-1° 8868* 102 10/22/77 136C02M005 4C83C44M005 1:3:369:000 0110C06M17C F N
 CENTER POINT COORDINATES:#=N36D38M57S W082D7P115 02:436C57M565 084C17P525, 3:435C26P235 W084D57P425, 84N32D03P165
 LANDSAT-2 (MSS) 2298015052000 E14W-02-1° 8868* 302 05/26/77 136C05M005 4C83D35M005 1:3:369:000 *0C0C0C0CC F N
 CENTER POINT COORDINATES:#=N36D40M36S W082D7P215 02:436C54M515 084C18P265 3:435C28P165 W084D46M345, 84N32D10P535
 LANDSAT-1 (MSS) 05886314101500 E14W-02-1° 2568* 002 05/04/77 136C04M40S 4C83C4M005 1:3:369:000 0210C340564 F N
 CENTER POINT COORDINATES:#=N36D39M17S W082D7P052 02:436C50M85 084C17P255, 3:435C27M355 W084D47M565, 84N32D09M35
 LANDSAT-1 (MSS) 8586314101500 E14W-02-1° 2568* 102 08/29/77 136D05M005 4C83C43M003 1:3:369:000 0110C06M17C F N
 CENTER POINT COORDINATES:#=N36D42M17S 02:436C55M505 084C27P165 3:435C26P455 W084D56M36S24, 84N32D10M25
 LANDSAT-2 (PS) 8294415072500 E14W-02-1° 8868* 001 06/23/77 136C05C40S 4C83C40M003 1:3:369:000 0210C340564 F N
 CENTER POINT COORDINATES:#=N36D42M39S 02:436C54M21 084C19P215 3:435C22P35 W084D56M34S24, 84N32D10M25

EYES DATA CENTER
 DIOUX FALLS SOUTH DAKOTA 57500
 FEDERAL TELECOMMUNICATIONS SYSTEM PHASES USE 794-7151
 CONTRACT NUMBER 000451002
 DATE 6/31/78
 TIME 22:37
 PAGE 15

Image/IAS

IMAGERY-TYPE	SCENE_ID	FILM-SOURCE	QUALITY	CLOUD	EXFO-CATE	SCENE-CREATE-K-POINT	SCENE-SCALE	MICROFORM	6IP2	
								CCL	CCT	
PATH 2G FJ#35 LANDSAT	E4W-02-1"	8668*	732	08/05/77	A35057#005	W083036#005	1:3-369,000	6210C30055	P	
LANDSAT-2 (MS)	4292615082500	E4W-02-1"	8668*	08/05/77	A35057#005	W083036#005	1:3-369,000	6210C30055	P	
CORNER POINT COORDINATES=81:N36033#005 W082019#05#2:A16052#04#5 400419#54#5:#3:625#02#01#25 408405#1#055,8#N3501#355 W082033#115										
LANDSAT-1 (MS)	358271422020500	E4W-02-1"	8565*	401	07/24/77	A36002#005	W083047#005	1:3-369,000	6110C64C120	P
CORNER POINT COORDINATES=81:N36033#005 W082019#05#2:A16056#02#5 400419#54#5:#3:625#02#01#25 408500#1#55,8#N35007#215 W08303#235										
LANDSAT-2 (MS)	d7:0d15092500	E4W-02-1"	8668*	-102	07/18/77	A35057#005	W083037#005	1:3-369,000	6210C321261	P
CORNER POINT COORDINATES=81:N36031#055 W082020#04#5,8#2:#16050#065 408402#055,8#4:#14059#355 W08405#2#055										
LANDSAT-1 (MS)	3580314235500	E4W-02-1"	8668*	202	07/06/77	A36002#005	W083049#005	1:3-369,000	6110C6CC467	P
CORNER POINT COORDINATES=81:N36036#055 W082017#05#2:#16054#215 400419#54#5:#3:625#2#265 W085003#1#25 #6:#135005#215 W08205#175										
LANDSAT-2 (MS)	3289015102530	E4W-02-1"	8668*	302	06/30/77	A35057#005	W083036#005	1:3-369,000	6210C32C545	P
CORNER POINT COORDINATES=81:N36032#054#5 W082020#04#5 400419#42#5,8#3:625#2#215 W08405#1#355,8#4:#13502#005 W082033#235										
LANDSAT-1 (MS)	326721511500	E4W-02-1"	8668*	202	06/12/77	A36000#005	W083035#005	1:3-369,000	6210C311135	P
CORNER POINT COORDINATES=81:N36035#036#5 W082019#515#5#2:#16054#165 400418#2#25,8#3:625#2#4#5CS W08404#9#35,8#4:#15005#2#425										
LANDSAT-1 (MS)	357731#273500	E4W-02-1"	8668*	102	05/31/77	A36002#005	W083052#005	1:3-369,000	6110C550322	P
CORNER POINT COORDINATES=81:N36036#055 W082017#0315#5#2:#16055#4#15 400419#42#5,8#3:625#2#325 W085005#2#25,8#4:#13500#015 W082033#235										
LANDSAT-2 (MS)	8285415120500	E4W-02-1"	8668*	902	05/25/77	A36005#005	W08303#005	1:3-369,000	6210C340376	P
CORNER POINT COORDINATES=81:N36036#0425#5 W082019#1#15#5#2:#16053#5#5 400417#1#10#5,8#3:625#2#4#515 W08404#7#4#65,8#4:#13501#4#45 *C82C51P545										
LANDSAT-1 (MS)	8575511429#500	E4W-02-1"	8668*	002	05/13/77	A36002#005	W08304#005	1:3-369,000	6110C8C0221	P
CORNER POINT COORDINATES=81:N36036#015#5 W082013#032#5#2:#16055#4#35 400419#42#1#25,8#3:625#2#575 W085001#01#225,8#4:#13500#015 W08204#535										
LANDSAT-2 (MS)	82H3615130500	E4W-02-1"	8668*	102	05/07/77	A36006#005	W083034#005	1:3-369,000	6210C360556	P
CORNER POINT COORDINATES=81:N36041#04CS W082013#015#5#2:#16056#6#5 400417#1#17#5,8#3:625#2#6#5 W08404#7#5,8#4:#13501#1#375 W08205#1#475										
LANDSAT-2 (MS)	82810151#0500	E4W-02-1"	8668*	702	04/19/77	A36002#005	W08304#1#005	1:3-369,000	6210C2#047C	P
CORNER POINT COORDINATES=81:N36038#035 W082017#03#5#2:#16051#5#5 400419#42#5,8#3:625#2#225 W08405#2#25,8#4:#13500#1#535 *C82057#575										
LANDSAT-1 (MS)	8579215155500	E4W-02-1"	8668*	102	04/07/77	A36003#005	W08305#005	1:3-369,000	6210C7#0057	P
CORNER POINT COORDINATES=81:N36033#04#5 400419#2#25,8#3:625#2#5#6 W08404#3#2#5#6,8#4:#13501#3#6 W08509#4#3#5#6										
LANDSAT-2 (MS)	12P00151#4500	E4W-02-1"	8668*	002	04/01/77	A35057#005	W08304#1#005	1:3-369,000	6210C2#047C	P
CORNER POINT COORDINATES=81:N36033#1#6#5 W082017#03#5#2:#16051#5#5 400419#2#25,8#3:625#2#25 W08405#4#6#5#5,8#4:#13501#9#3#5 W08500#1#535 *C82057#575										
LANDSAT-2 (MS)	927615154500	E4W-02-1"	8668*	702	02/24/77	A35056#005	W08304#2#005	1:3-369,000	6210C2#047C	P
CORNER POINT COORDINATES=81:N36032#1#6#5 W082017#03#5#2:#16051#5#5 400419#2#25,8#3:625#2#25 W08405#4#6#5#5,8#4:#13501#9#3#5 W08500#1#535 *C82057#575										

PHONE 605-554-6511		SICU FALLS, SOUTH DAKOTA 57196		REPORT AG. CIC25-1	
CONTACT NUMBER 00C4531002		FEDERAL TELECOMMUNICATIONS SYSTEM FACETS USE 784-7151		DATE 08/31/78 TIME 22137 PAGE 24	
DATA TYPE LANDSAT					
IMAGE/TYPE	SCENE ID	FILM-SOURCE QUALITY CLOUD INFO-DATE	SCENE-CENTER-POINT	SCENE-SCALE	MICROFORM GIP2 CCL CCT
PATH=20 RUE=35 LANDSAT-2 (MSS)	3274615172500	E4W-02.1W 08800. 012 02/06/77	1:3:369+000 AC83041M005	8210C27C276 F N	
CORNER POINT COORDINATES=1:N36314M025 W0820751505+2:N36C52M115			A150C5EM005 1084C24+505+03: #1E21M145 W084054M575, #4N325 W0820506+155		
LANDSAT-2 (MSS)	827281510500	E4W-02.1W 08800. 602 01/19/77	A16DC4M005 AC83036M005	8210C26C62C P N	
CURRENT POINT COORDINATES=1:N3639M315 W082071M13+2:N36C54M025			#084C19+75+03: #1E27M455 W084049M455, #4N350 W08445 hC8253+475		
LANDSAT-2 (MSS)	8264215192500	E4W-02.1W 08800. 002 12/14/76	A16DC03+005 W083034M005	8210C251247 F N	
CORNER POINT COORDINATES=1:N36404M025 W082074M025			#084C17+325, #2: #1E20M34 W084043M165, #4N350 W0820515 hC8251P235		
LANDSAT-2 (MSS)	826501520500	E4W-C2.1W 08800. 002 11/06/76	A150C56+005 W083034M005	8210C250063 F Y	
CURRENT POINT COORDINATES=1:N36032M215 W082029M54+02: #1E21M005			#084C19+54: #3: #1E21M054 W084031M55, #4: #350 W084043M55 hC8254P25		
LANDSAT-2 (MSS)	8263815213500	E4W-02.1W 08800. 202 10/21/76	A150C55W005 W083034M005	8210C231227 F N	
CORNER POINT COORDINATES=1:N36031M215 W082025M42: #1E20M475			#084C25P155, #3: #1E21M525 W084055M425, #4: #340 W0840565 W082057P513		
LANDSAT-2 (MSS)	8262015212500	E4W-02.1W 08800. 302 10/03/76	A150C55W005 AC83033M005	8210C236405 P N	
CURRENT POINT COORDINATES=1:N36030M525 W082023M385+02: #1E21M295			#084C22+375, #3: #1E21M295 W084053M175, #4: #350 W084054M145 hC82056P275		
LANDSAT-1 (MSS)	82552416494500	E4W-C2.1W 08800. 402 CS	A150C58W005 W083034M005	8210C226426 F N	
CURRENT POINT COORDINATES=1:N36034M46: #1E21M055			#084C29+455, #3: #1E20M285 W084058M4C5, #4: #3D03M465 W0840585 W082051P225		
LANDSAT-2 (MSS)	8260215224500	E4W-02.1W 08800. 051 05/15/76	A150C56W005 AC83038M005	8210C230623 F N	
CURRENT POINT COORDINATES=1:N36035M46: #1E21M055			#084C21+315, #3: #1E21M315 W084055M465 W0840565 W082055P335		
LANDSAT-1 (MSS)	8255014511500	E4W-C2.1W 08800. " 001 05/06/76	A150C54M005 AC83045M005	8110C510249 F Y	
CURRENT POINT COORDINATES=1:N36040M355 W082070+365, #2: #1E21M365			#084C29+315, #3: #1E21M415 W084058M165, #4: #350 W084075 W082051P345		
LANDSAT-2 (MSS)	8258+15231500	E4W-C2.1W 08800. 932 08/26/76	A150C56W005 AC83032M005	8210C226428 F A	
CURRENT POINT COORDINATES=1:N36041M155 W082073+375, #2: #1E21M375			#084C15P055, #3: #1E21M375 W084045M575 W084045M515, #4: #3D11P4CS W082051P335		
LANDSAT-1 (MSS)	82554914524500	E4W-02.1W 08800. 502 01/19/76	A150C55M005 W083034M005	8210C226428 F A	
CURRENT POINT COORDINATES=1:N36041M145+02: #1E21M145			#084C27+065, #3: #1E21M395 W084056M395, #4: #350 W0820631		
LANDSAT-2 (MSS)	82556015234500	E4W-C2.1W 08800. 102 08/10/76	A150C504+005 W083034M005	8210C20631 P N	
CURRENT POINT COORDINATES=1:N36042M355 W082071+365			#084C17+365, #3: #1E21M365 W084056M365, #4: #350 W082055P585		
LANDSAT-1 (MSS)	8254471454500	E4W-02.1W 08800. " 402 AC8306M005	A150C5217+305 W083034M005	8210C2047+575, #4: #350 W082051P305	
CURRENT POINT COORDINATES=1:N36042M355 W082071+365			#084C17+365, #3: #1E21M365 W084056M365, #4: #350 W082051P305		
LANDSAT-2 (MSS)	825445242500	E4W-02.1W 08800. 302 07/22/76	A150C55M005 AC83035M005	8210C210C52 P N	
CURRENT POINT COORDINATES=1:N36035M455 W082071+365			#084C18P5C5, #3: #1E21M355 W084056M355, #4: #350 W082052P155		
LANDSAT-1 (MSS)	8254521454500	E4W-C2.1W 08800. 102 07/14/76	A150S05M005 W083049M005	8110C51044C P N	
CURRENT POINT COORDINATES=1:N36035M465 W082074+055, #2: #1E21M365			#084C13P425, #3: #1E21M365 W085004M455, #4: #350 W082054CS hC82050P235		
LANDSAT-2 (MSS)	825451015245500	E4W-02.1W 08800. " 07/05/76	A150S056M005 AC83044M005	8210C226428 F C25	
CURRENT POINT COORDINATES=1:N36035M465 W082074+055, #2: #1E21M365			#084C18P455, #3: #1E21M365 W084043P045, #4: #350 W082054CS hC82050P235		

PHONE 605-554-6511 FEDERAL TELECOMMUNICATIONS SYSTEM PHONES USE 784-7151
CONTACT NUMBER 0006531002
FCC ARCHIVALS

REPORT NO. UT251
DATE 08/31/78
TIME 22:57
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DATA TYPE LANDSAT

IMAGERY-TYPE	SCENE_ID	FILM-SOURCE	QUALITY	CLOUD	EXFL	DATE	SCENE-CENTER-POINT	SCENE-SCALE	NICOFOR4	BIP2	CCL	CTI
FATH=20 RIM=35 LANDSAT												
CORNER POINT COORDINATES=@1N3414570500 E4W-02.1° 8858. 10X 06/22/76 N360044005 W083049W005 1:3:369:000 9110C510C26 F N												
LANDSAT-1 (HS5) - 8541614583500 E4W-02.1° 8858. 10X 06/22/76 N360044005 W083049W005 1:3:369:000 9110C510C26 F N												
CORNER POINT COORDINATES=@1N36041M005 W082031P385.02:N36C08M18.5 084C24P025, #3:N15C26M165 W085003M155, #4:N35D09P425 W08405P455												
LANDSAT-2 (HS5) - 8249415254500 E4W-02.1° 8888. 10X 05/30/76 N55C55M005 W083049W005 1:3:369:000 8210C15C366 F N												
CORNER POINT COORDINATES=@1N36313M36 E4W-02.1° 8888. 10X 05/30/76 N55C55M005 W083049W005 1:3:369:000 8210C15C366 F N												
LANSAT-1 (HS5) - 8539814594500 E4W-02.1° 5988. 00Z 05/21/76 N360044C005 W083049W005 1:3:369:000 6110C5CCC12 F N												
CORNER POINT COORDINATES=@1N3636M51E W082031P035.02:N36C54M035 084C23P455, #3:N15C22P255 W085002M5CS, #4:N35D05P455 W08405P455												
LANSAT-2 (HS5) - 8247615661500 E4W-02.1° 8888. 10X 05/12/76 N36002M005 W083030W005 1:3:369:000 8210C160973 F N												
CORNER POINT COORDINATES=@1N36037M13S W082031P515.02:N36C6M15S 084C13P10S, #3:N35C25M45S W08404M045, #4:N35D07M42S W08405P485												
LANSAT-1 (HS5) - 8538015005500 E4W-02.1° 8885. 20Z 05/03/76 N36002M005 W083046M005 1:3:369:000 8110C45C5C1 F N												
CORNER POINT COORDINATES=@1N36038M36S W082031P305.02:N36C55M47S 084C30P325, #3:N15C24M41S W08405M24S, #4:N35D07M55S W08405P455												
LANSAT-2 (HS5) - 8247531264500 E4W-02.1° 8888. 10X 04/24/76 N36006M005 W083030W005 1:3:369:000 8210C16C162 F N												
CORNER POINT COORDINATES=@1N36043M31E W082031P15M13S, #2:N37C01M55S 084C13P19S, #3:N35C31P45S W08405P425, #4:N35D13M44S W08405P455												
LANSAT-1 (HS5) - 8534415021500 E4W-02.1° 8888. 10X 04/15/76 N36007M005 W083043M005 1:3:369:000 6110C42064C P N												
CORNER POINT COORDINATES=@1N36043M24S W082031P395.02:N37C03M33S 084C27P19S, #3:N35C29M52S W08405M16S, #4:N35D15M16S W08405P465												
LANSAT-2 (HS5) - 8242215274500 E4W-02.1° 8888. 10X 03/26/76 N36007M005 W083043M005 1:3:369:000 8210C17C21E P N												
CORNER POINT COORDINATES=@1N36034M37S W082031P34S.02:N36C33M29S 084C19P46S, #3:N35C22M10S W08405M2CS, #4:N35D04P15S W08405P465												
LANSAT-1 (HS5) - 8532015043500 E4W-02.1° 8888. 10X 03/07/76 N36007M005 W083042M005 1:3:369:000 6110C47C0C6 F N												
CORNER POINT COORDINATES=@1N36033M15S W082031P26M24S 084C17P25, #3:N35C36M05 084C05P23S, #4:N35D14P39S W08405P435												
LANSAT-2 (HS5) - 8240415282500 E4W-02.1° 8888. 10X 03/01/76 N35C51M005 W083038M005 1:3:369:000 8210C160814 F N												
CORNER POINT COORDINATES=@1N36027M04S W082031P59S, #2:N36C51M95 084C21P51S, #3:N35C14M15 W08405P55S, #4:N35M44S W08405P465												
LANSAT-1 (HS5) - 92404152d2200 E4W-02.1° 8888. 10X 03/01/76 N35C51M005 W083038M005 1:3:369:000 80030CCCC P N												
CORNER POINT COORDINATES=@1N36029M25S W082031P31S.02:N36C4M16S 084C26P27S, #3:N35C11M25 W08406P435												
LANSAT-2 (HS5) - 8238015265500 E4W-02.1° 8888. 10X 02/12/76 N35C54M005 W083040W005 1:3:369:000 8210C15C8C2 E N												
CORNER POINT COORDINATES=@1N36030M1ES W082031P52S, #2:N36C03M03S 084C24P07S, #3:N35C16M45 W08405M01S, #4:N3405M4CS W08405P59S												
LANSAT-2 (HS5) - 8236015291500 E4W-02.1° 8888. 10X 01/25/76 N35C53M005 W083040M005 1:3:369:000 8210C150174 E N												
CORNER POINT COORDINATES=@1N36027M07S W082031P37M45S, #2:N35C16M95 084C17P30S, #3:N35C16M95 W08405P47S												

SIoux Falls, South Dakota 57199
Federal Telecommunications System Phones USE 784-7151
PHONE 605-564-6511

CONTACT NUMBER 0004541302
CARRIER/PAS

REPORTING NO. 08/13/84
FILE # 22151
PAGE 22

DATA TYPE LANDSAT

IMAGERY-TYPE	SCENE-ID	FILM=SOURCE	QUALITY	CLOUD	EXPO-DATE	SCENE=FEATURE-POINT	SCENE=SCALE	MICROFORM	CC# CC#
LANDSAT-2 (MSS)	LANDSAT-35	LANDSAT	8527215080500	E4h-02.*"	5555*	902 01/16/76	N15055EM005 N06316M005 1:3,362,000	81100450562 P	H
CC/REF POINT COORDINATES=1:N3604M135 W0820P2M40S.42:E3605P24S.45									
LANDSAT-2 (MSS)	LANDSAT-40	LANDSAT	8235015292500	E4h-02.*"	5555*	01/07/76	N15055EM005 N06317M005 1:3,362,000	82100140615 P	H
CC/REF POINT COORDINATES=1:N363CM35E W0820P71M48S.82:E3604M20S.35									
LANDSAT-2 (MSS)	LANDSAT-41	LANDSAT	8233215293500	E4h-02.*"	6688*	102 12/20/75	N15056EM005 N06313M005 1:3,369,000	82100131031 P	H
CC/REF POINT COORDINATES=1:N3604M135 W0820P6M6S.82:E3603M20S.15									
LANDSAT-1 (MSS)	LANDSAT-42	LANDSAT	8523015102500	E4h-02.*"	5888*	002 12/11/75	N16003EM005 N06313M005 1:3,369,000	8010044528 P	H
CC/REF POINT COORDINATES=1:N3602M25S W0820P73M05.82:E3605M55S									
LANDSAT-2 (MSS)	LANDSAT-43	LANDSAT	823145294500	E4h-02.*"	8088*	002 12/02/75	N15010EM005 N06313M005 1:3,369,000	82100131035 P	H
CC/REF POINT COORDINATES=1:N3604M135 W0820P15M08S.82:E3604M20S.15									
LANDSAT-1 (MSS)	LANDSAT-44	LANDSAT	8521015113500	E4h-02.*"	5555*	801 11/23/75	N16006EM005 N06303M005 1:3,369,000	8010044528 P	H
CC/REF POINT COORDINATES=1:N3504M07S W0820P20S.82:E3605M13S.75									
LANDSAT-2 (MSS)	LANDSAT-45	LANDSAT	8229615300500	E4h-02.*"	5588*	902 11/16/75	N16005EM005 N06304M005 1:3,369,000	82100131036 P	H
CC/REF POINT COORDINATES=1:N3603M55S W0820P5M06S.82:E3604M16S.42									
LANDSAT-1 (MSS)	LANDSAT-46	LANDSAT	8227015301500	E4h-02.*"	8085*	002 10/27/75	N16000EM005 N06304M005 1:3,369,000	82100131037 P	H
CC/REF POINT COORDINATES=1:N3603M6M12S W0820P5M06S.82:E3604M16S.42									
LANDSAT-2 (MSS)	LANDSAT-47	LANDSAT	822615302300	E4h-02.*"	5588*	502 10/25/75	N15056EM005 N06312M005 1:3,369,000	82100131038 P	H
CC/REF POINT COORDINATES=1:N3603M3M15 W0820P6M00S.42:E3605M4S.42									
LANDSAT-1 (MSS)	LANDSAT-48	LANDSAT	9516415145500	E4h-02.*"	5555*	201 09/30/75	N15056EM005 N06310M005 1:3,369,000	81100426251 P	H
CC/REF POINT COORDINATES=1:N3603M5M4S W0820P6M22S.42:E3605M27S.42									
LANDSAT-2 (MSS)	LANDSAT-49	LANDSAT	9224215303500	E4h-02.*"	2585*	301 09/21/75	N15057EM005 N06310M005 1:3,369,000	82100131039 P	H
CC/REF POINT COORDINATES=1:N3603M21S W0820P6M11S.42:E3605M47S.42									
LANDSAT-1 (MSS)	LANDSAT-50	LANDSAT	822615305500	E4h-02.*"	5605*	772 08/22/75	N15056EM005 N06312M005 1:3,369,000	80100426252 P	H
CC/REF POINT COORDINATES=1:N3603M8M7S W0820P12M05S.42:E3605M25S.42									
LANDSAT-2 (MSS)	LANDSAT-51	LANDSAT	8509215190500	E4h-02.*"	0506*	632 07/20/75	N16004EM005 N06313M005 1:3,369,000	81100426253 P	H
CC/REF POINT COORDINATES=1:N3604M06S W0820P4M27S.42:E3604M27M15									
LANDSAT-2 (MSS)	LANDSAT-52	LANDSAT	821701531600	E4h-02.*"	8668*	631 07/11/75	N16003EM005 N06313M005 1:3,369,000	82100426254 P	H
CC/REF POINT COORDINATES=1:N3603M27S W0820P12S.42:E3605M27S.42									

SICUX FARNS SPAIN DURCIA 52148
 PHONE 605-566-6511
 FEDERAL COMMUNICATIONS SYSTEM PHONES USE 704-7191
 CONTACT NUMBER 0004531002
 PONDERA/LIS

DATA TYPE LANDSAT

IMAGE TYPE	SCENE ID	FILM-SOURCE QUALITY CLOUD EXFO-CATE	SCENEF-CENTER-POINT	SCENE-SCALE	MICROFON	DIF2	REF ID
FAIR 20 RUE 35 LANDSAT	E4W-02-1	55580 602 07/02/75	N36044M005 W083041M005	1:3:369:000	0110335G221	P	N
LANDSAT-1 (MSS)	0501-15201500	55580 602 07/02/75	N36044M005 W083041M005	1:3:369:000	0110335G221	P	N
CORNER POINT COORDINATES=01:36044M0175 W082D26M115,02:1436052M565,02:1436052M565,02:1436052M565	0084C259 103:0311:313526M595	W084D54M35,02:143509M415	W084D54M35,02:143509M415	W084D54M35,02:143509M415	W084D54M35,02:143509M415	W084D54M35,02:143509M415	W084D54M35,02:143509M415
LANDSAT-2 (MSS)	0215215315500	E4W-02-1"	80080 702 06/23/75	N35052M005 W083032WC05	1:3:369:000	02106070560	P
CORNER POINT COORDINATES=01:36026M135 W082D70M145,02:1436052M565,02:1436052M565,02:1436052M565	W084C19P0:5,02:1436052M025	W084D40M45,02:1436052M025	W084D40M45,02:1436052M025	W084D40M45,02:1436052M025	W084D40M45,02:1436052M025	W084D40M45,02:1436052M025	W084D40M45,02:1436052M025
LANDSAT-1 (MSS)	8500215240500	E4W-02-1"	60580 002 04/21/75	N35052M005 W083040M003	1:3:369:000	0110335G34C	P
CORNER POINT COORDINATES=01:36026M135 W082D70M145,02:1436052M565,02:1436052M565,02:1436052M565	W084C13P0:3,02:1436052M295	W084C13P0:3,02:1436052M295	W084C13P0:3,02:1436052M295	W084C13P0:3,02:1436052M295	W084C13P0:3,02:1436052M295	W084C13P0:3,02:1436052M295	W084C13P0:3,02:1436052M295
LANDSAT-2 (MSS)	0213415314500	E4W-02-1"	50080 202 04/12/75	N35052M005 W083032WC05	1:3:369:000	0210604C271	P
CORNER POINT COORDINATES=01:36028M-55 W082D9M-55	02:1436052M47M075	02:1436052M47M075	02:1436052M47M075	02:1436052M47M075	02:1436052M47M075	02:1436052M47M075	02:1436052M47M075
LANDSAT-1 (MSS)	8194615264500	E4W-02-1"	80080 002 02/26/75	N36002M005 W083040M003	1:3:369:000	0110335G211	P
CORNER POINT COORDINATES=01:36037M465 W082D70M015,02:1436056M415	W084C26P365,02:1436056M415	W084C26P365,02:1436056M415	W084C26P365,02:1436056M415	W084C26P365,02:1436056M415	W084C26P365,02:1436056M415	W084C26P365,02:1436056M415	W084C26P365,02:1436056M415
LANDSAT-1 (MSS)	8193015273500	E4W-02-1"	80080 003 02/08/75	N36002M005 W083040M003	1:3:369:000	0110335G211	P
CORNER POINT COORDINATES=01:36036M015 W082D70M305,02:1436054M305	W084C26P525,02:1436054M305	W084C26P525,02:1436054M305	W084C26P525,02:1436054M305	W084C26P525,02:1436054M305	W084C26P525,02:1436054M305	W084C26P525,02:1436054M305	W084C26P525,02:1436054M305
LANDSAT-1 (MSS)	8189415740500	E4W-02-1"	80080 002 01/03/75	N35056M005 W083043M005	1:3:363:000	01103310615	P
CORNER POINT COORDINATES=01:36012M155 W082D70M015,02:1436054M435	W084C27P165,02:1436054M435	W084C27P165,02:1436054M435	W084C27P165,02:1436054M435	W084C27P165,02:1436054M435	W084C27P165,02:1436054M435	W084C27P165,02:1436054M435	W084C27P165,02:1436054M435
LANDSAT-1 (MSS)	8187615294500	E4W-02-1"	50080 301 12/16/74	N36006M005 W083044M005	1:3:369:000	0110330CS8	P
CORNER POINT COORDINATES=01:36024M175 W082D70M155,02:1436025P065	W084C25P065,02:1436025P065	W084C25P065,02:1436025P065	W084C25P065,02:1436025P065	W084C25P065,02:1436025P065	W084C25P065,02:1436025P065	W084C25P065,02:1436025P065	W084C25P065,02:1436025P065
LANDSAT-1 (MSS)	8105815303500	E4W-02-1"	80080 003 11/28/74	N36004M005 W083040M005	1:3:369:000	0110329G745	P
CORNER POINT COORDINATES=01:36038M105 W082D70M155,02:1436038M105	W084C27P165,02:1436038M105	W084C27P165,02:1436038M105	W084C27P165,02:1436038M105	W084C27P165,02:1436038M105	W084C27P165,02:1436038M105	W084C27P165,02:1436038M105	W084C27P165,02:1436038M105
LANDSAT-1 (MSS)	81040415311500	E4W-02-1"	80080 002 11/10/74	N36002M005 W083039M005	1:3:369:000	0110331114C	P
CORNER POINT COORDINATES=01:36042M475 W082D70M155,02:1436042M475	W084C22P355,02:1436042M475	W084C22P355,02:1436042M475	W084C22P355,02:1436042M475	W084C22P355,02:1436042M475	W084C22P355,02:1436042M475	W084C22P355,02:1436042M475	W084C22P355,02:1436042M475
LANDSAT-1 (MSS)	81040415323500	E4W-02-1"	80080 003 10/05/74	N36001M005 W083039M005	1:3:369:000	01103310463	P
CORNER POINT COORDINATES=01:36040M075 W082D70M155,02:1436040M075	W084C27P165,02:1436040M075	W084C27P165,02:1436040M075	W084C27P165,02:1436040M075	W084C27P165,02:1436040M075	W084C27P165,02:1436040M075	W084C27P165,02:1436040M075	W084C27P165,02:1436040M075
LANDSAT-1 (MSS)	8176815323500	E4W-02-1"	80080 002 09/17/74	N35055M005 W083035M005	1:3:369:000	0110335G224	P
CORNER POINT COORDINATES=01:36032M255 W082D70M175,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255
LANDSAT-1 (MSS)	8176815323500	E4W-02-1"	80080 002 08/17/74	N35055M005 W083035M005	1:3:369:000	0110330M125	P
CORNER POINT COORDINATES=01:36032M255 W082D70M175,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255
LANDSAT-1 (MSS)	8175015340500	E4W-02-1"	60080 002 08/12/74	N35056M005 W083046M005	1:3:369:000	0110329G221	P
CORNER POINT COORDINATES=01:36032M255 W082D70M175,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255	W084C27P165,02:1436032M255

REPORT NO. D102501
 DATE 08/15/78
 TIME 22:37
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SICUX FALLS SOUTH DAIRY 52198
 FEDERAL TELECOMMUNICATIONS SYSTEM PHONES USE 784-7151

CONTACT NUMBER NOC4531002

COUNTERPLAS

DATA TYPE LANDSAT

IMAGE TYPE	SCENE ID	FILM-PLATE QUALITY CLOUD ENFORCEMENT	SCENE-CENTER-POINT	SCENE-SCALE	MICROFOTAP	BIP2 CC1 CC2
FAITH-20 (HSS)	LANDSAT-8173215346500	E4W-C2-1"	5888- 70Z 07/25/74 N35C55+535 0081030W155 1:3*369,000 *0000C0C0CCC P N			
CORNER POINT COORDINATES=81732064305 00822C59P245, 031A36033W125 W082032W245, 041N30 51M255 W082032W245, 041N30 51M255						
LANDSAT-1 (HSS)	8171415352500	E4W-C2-1"	6888- 90Z 07/07/74 N36CC34W025 0083042W025 1:3*369,000 81100C261514 P N			
CURRENT POINT COORDINATES=81736040W145 008203776365, 021A360574265 0084C26P225, 031A35C26W145 W084055W225, 041N30 52M255 W084055W225, 041N30 52M255						
LANDSAT-1 (HSS)	8169615355500	E4W-02-**	8888- 40Z 06/19/74 N36CC4W025 0083042W005 1:3*369,000 d110C26068C P N			
CORNER POINT COORDINATES=817360D1W135 008203776325, 021A36059W145, 031A35C27W145 W084055W215, 041N30 50M565 W084055W215, 041N30 50M565						
LANDSAT-1 (HSS)	8167315163530	E4W-C2-1"	8888R- 90Z 06/01/74 N36CC74W105 0083042W195 1:3*369,000 d110C251103 P N			
CORNER POINT COORDINATES=81736043465 00820379P425, 021A360545 0084C29P405 0084057W455, 041N350 51M005 W084055W455, 041N350 51M005						
LANDSAT-1 (HSS)	816601537500	E4W-02-**	8882- 20Z 05/14/74 N36CCG2W045 0083045W245 1:3*369,000 6110C241257 P N			
CORNER POINT COORDINATES=81736039W225 00820379P205, 021A3605115 0084C30P235, 031A35C24W225 W084055W215, 041N30 49M315						
LANDSAT-1 (HSS)	816421537500	E4W-02-**	5555- 00Z 04/26/74 N36CC74W215 0083042W335 1:3*369,000 F110C240633 P N			
CORNER POINT COORDINATES=81736037W125 00820377W015, 021A36054W15 0084C27P235, 031A35C22W475 W084055W505, 041N350 50M345 W084055W505, 041N350 50M345						
LANDSAT-1 (HSS)	8162-1537500	E4W-02-**	8888- 90Z 04/08/74 N35L55W555 0083045W275 1:3*369,000 6110C230065 P N			
CORNER POINT COORDINATES=81736036W145 00820379P225, 021A36054W255 0084C25P065, 031A35C24W275 W084055W535, 041N350 50M035 W084055W535						
LANDSAT-1 (HSS)	8160615192500	E4W-02-**	8988- 02Z 03/21/74 N36CC4W455 0083042W165 1:3*369,000 d110C221261 P N			
CORNER POINT COORDINATES=81736037W145 00820379P225, 021A36054W135 0084C21P21, 031A35C21W425 W084055W135 W084055W135						
LANDSAT-1 (HSS)	8158015196300	E4W-C2-**	8888- 22Z 03/03/74 N36CC6W365 0083042W365 1:3*369,000 B110C212C58 P N			
CORNER POINT COORDINATES=81736040W145 0082038P152, 021A3705W1405 0084C16P455, 031A35C22W455 W084055W455, 041N350 32M225 W084055W455						
LANDSAT-1 (HSS)	8157015205500	E4W-02-**	8888- 30Z 03/13/74 N36DC4W275 0083031W155 1:3*369,000 B110C22CC77 P N			
CORNER POINT COORDINATES=81736040W275 0082036P262, 021A36052W235 0084C15P065, 031A35C22W425 W084044W575, 041N350 30W145 0084044W575, 041N350 30W145						
LANDSAT-1 (HSS)	8155215392500	E4W-02-**	8888- 60Z 01/26/74 N36CC4W225 0083031W215 1:3*369,000 B110C2C1258 P N			
CORNER POINT COORDINATES=81736042W225 0082036P165, 021A36042W225 0084C15P175, 031A35C21W355 W084055W155, 041N350 32M015 W084055W155						
LANDSAT-1 (HSS)	815321539500	E4W-02-**	8888- 02Z 01/08/74 N36DC4W275 0083037W115 1:3*369,000 B110C22CC77 P N			
CORNER POINT COORDINATES=81736040W275 0082036P165, 021A36052W235 0084C15P065, 031A35C22W425 W08403031W115 1:3*369,000 B110C22CC77 P N						
LANDSAT-1 (HSS)	8151015403500	E4W-C2-**	8888- 02Z 12/21/73 N35C56W05 0083031W055 1:3*369,000 B10015C421 P N			
CORNER POINT COORDINATES=81736033W025 0082037W145 0084C23P235, 031A35C22W135 W084055W155, 041N350 31W135 W084055W155						
LANDSAT-1 (HSS)	8149015405500	E4W-02-**	8888- 50Z 12/03/73 N35C55W065 0083030W435+> 1:3*369,000 B10016C0742 P N			
CORNER POINT COORDINATES=81736033W125 W082037W025, 021A36052W125 0084C15P175, 031A35C21W355 W084055W155, 041N350 30W075 W084055W155						
LANDSAT-1 (HSS)	81462-5416500	E4W-02-**	2228- 20Z 1C/26/73 N36003W375 0083030W265 1:3*369,000 d110C161346 P N			
CORNER POINT COORDINATES=81736037W145 0082037W145 0084C14P215, 031A35C21W355 0084C14P215, 031A35C21W355 W084044W265, 041N350 30W075 W084044W265, 041N350 30W075						
LANDSAT-1 (HSS)	814441542500	E4W-02-**	8888- 32Z 10/10/73 N36003W365 0083030W365 1:3*369,000 d11001-1535 W084044W235, 041N350 32W205 W084044W235, 041N350 32W205			
CORNER POINT COORDINATES=81736044W145 0082037W145 0084C14P215, 031A35C21W355 0084C14P215, 031A35C21W355 W084044W235, 041N350 32W205						

PHM# 605-594-6521 SIOUX FALLS SIOUX CITY FEDERAL TELECOMMUNICATIONS SYSTEM FILES USE 764-7151

CONTACT NUMBER 0006531002
PCAR/ALAS

REPORT DATE 04/3/78
TIME 22:37
PAGE 26

DATA TYPE LANDSAT

IMAGER-TYPE	SCENE ID	FILM-SOURCE	QUALITY	CLOUD EX-FO-CATE	SCENE-CENTER-POINT	SCENE-SCALE	MICROCRP_CCL	BIP2_CCI
LAT= 20 WJN= 35 LANDSAT	811201543-500	EAM=02-1"	2R880	90Z 11/20/72	N35C5E-065 MC0303245+5 1:3-169,000	0110C010261	P	N
CORNER POINT COORDINATES #1:N36D3W0E5 #0620465,8236C53W045 4084C16+475,83R35C21W205 W0604745+5,84N35D02W525								
LANDSAT-1 (MSS)	811025433500	EAM=02-1"	90Z 11/02/72	N35C5W005 MC03035M415 1:3-169,000	0110C01261	P	N	
CENTER POINT COORDINATES #1:N36D2W0E5 #0620465,821R36C51W05 4084C19+5,83R35C13W05 W08405+5,82R35C22W56								
LANDSAT-1 (MSS)	8106615423500	EAM=02-1"	90Z 05/27/72	N36CC2N065 MC03028W425 1:3-169,000	0110C030651	7	N	
CENTER POINT COORDINATES #1:N36H2W0E5 #0620435,821R35C51W05 4084C12+5,83R35C12W25								
LANDSAT-1 (MSS)	81040415425500	EAM=02-1"	88888	90Z 05/09/72	N35C5E4565 MC03031W085 1:3-169,000	0110C040651	P	
CENTER POINT COORDINATES #1:N36D3W0E5 #0620455,821R36C51W25 4084C15+5,83R35C22W35 W084045+5,82R36C41W35								
LANDSAT-1 (MSS)	8103015430500	EAM=02-1"	88888	90Z 05/22/72	A35025W125 MC03046W575 1:3-169,000	0110C01663	7	N
CENTER POINT COORDINATES #1:N36D3W0E5 #0620455,821R36C51W25 4084C12+5,83R34C22W35 W084057W055,84R34C52W225								
LANDSAT-2 (MSS)	829981504500	EAM=02-1"	88888	70Z 10/16/77	N34C3W005 MC04001W005 1:3-169,000	000C0CCCC	F	N
CORNER POINT COORDINATES #1:N35013W515 #062047427,82:R35031W575 6084C13+5,83A3C01285 W085C13W53W41N35D43W475								
LANDSAT-1 (MSS)	850897164500	EAM=02-1"	88888	70Z 09/71/77	N34C035W005 MC04008W005 1:3-169,000	0110C061032	P	
CORNER POINT COORDINATES #1:N35U15W15 #0620454,82:R35D24385 4084C51W425,83A14C011W385 W085D20W133W41N3D45W055								
LANDSAT-2 (MSS)	8298015054500	EAM=02-1"	88855	10Z 05/28/77	N34C3W005 MC04020W005 1:3-169,000	000C0CCCC	P	N
CENTER POINT COORDINATES #1:N35014W515 #062048445,821R35032W425 4084C49+445,83R34C22W435 W085D14W15,84R34C52W435 W085D13W15,84R34C52W435								
LANDSAT-2 (MSS)	8296215065500	EAM=02-1"	88888	90Z 09/71/77	N34C035W005 MC04000W005 1:3-169,000	0210C33655	P	N
CORNER POINT COORDINATES #1:N35014W525 #062047425,82:R35D24585 4084C49+465,83A3C02265 W085D13W35W41N3D44W465								
LANDSAT-1 (PS)	8286314163500	EAM=02-1"	88888	10Z 08/24/77	N34C4W005 MC04009W005 1:3-169,000	0110C62671	P	
CENTER POINT COORDINATES #1:N35U17W325 #0620454,82:R35U17W325 4084C52P335,83A14C24675 W085D20W44W541N3D46P425								
LANDSAT-1 (MSS)	8285415123500	EAM=02-1"	88888	90Z 05/25/77	N34C3W005 MC04000W005 1:3-169,000	0210C3377	P	
CENTER POINT COORDINATES #1:N35014W525 #062046P315,821R35C32W545 4084C42+235,83A14C22W475 W085D12W426W515								
LANDSAT-2 (MSS)	8283615132500	EAM=02-1"	88888	60Z 05/07/77	N34C4W005 MC04001W005 1:3-169,000	0210C33557	P	
CENTER POINT COORDINATES #1:N35015W415 #062047425,82:R35U15W565 4084C43+345,83R34C03W375 W085D13W45,84R34C545								
LANDSAT-2 (MSS)	8271015190500	EAM=02-1"	88888	00Z 01/01/77	N34C4CH005 MC04001W005 1:3-169,000	0210C260128	P	
CENTER POINT COORDINATES #1:N35015W415 #062047435,82:R35U15W565 4084C43+365,83R34C03W365 W085D13W45,84R34C545								
LANDSAT-2 (MSS)	8269215195500	EAM=02-1"	88888	10Z 12/14/76	N4C3W005 MC04001W005 1:3-169,000	0210C25248	P	
CENTER POINT COORDINATES #1:N35013W565 #062047435,82:R35U13W565 4084C43+375,83R34C03W35,84R34C535								

PHOTO 605-554-0511 SIOUX FALLS, SOUTH DAKOTA 57198
FLUET AL TELECOMMUNICATIONS SYSTEM PHOTOS USE 704-7151

CONTACT NUMBER 0004531002
SONNENFELD

REPORT NO. U53176
DATE 07/31/76
TIME 2217
PAGE 27

DATA TYPE LANDSAT

IMAGERY-TYPE	SCENE ID	FILM-OUTAGE	QUALITY	CLOUD EXFO-CATE	SCENE-CENTER-POINT	SCENE-SCALE	MICROFON	CCW	CCW
PATH 23 AJNG 36 LANDSAT	602	08/28/76	A34C414005	ACBICS	#005	1:3-364-000	82100C220229	P	N
LANDSAT-2 (MSS)	6253-01534500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15016M315 W0845M205,82:15035M455 W0845M205,83:15040M465 W0850M11M325,84:15040M465 W0850M11M325									
LANDSAT-2 (MSS)	6256615241500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15016M315 W0845M205,82:15035M455 W0845M205,83:15040M465 W0850M11M325,84:15040M465 W0850M11M325									
LANDSAT-1 (MSS)	6547014543500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15017M465 W0845M205,82:15036M4295 W0845M205,83:15043M4295 W0850M15M305,84:15043M4295 W0850M15M305									
LANDSAT-1 (MSS)	8245915270500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15017M465 W0845M205,82:15036M4295 W0845M205,83:15043M4295 W0850M15M305,84:15043M4295 W0850M15M305									
LANDSAT-1 (MSS)	8246015273500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15017M465 W0845M205,82:15036M4295 W0845M205,83:15043M4295 W0850M15M305,84:15043M4295 W0850M15M305									
LANDSAT-1 (MSS)	824602150500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15018M415 W0845M205,82:15036M4295 W0845M205,83:15043M4295 W0850M15M305,84:15043M4295 W0850M15M305									
LANDSAT-2 (MSS)	823321530500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15018M415 W0845M205,82:15036M4295 W0845M205,83:15043M4295 W0850M15M305,84:15043M4295 W0850M15M305									
LANDSAT-2 (MSS)	8231415301500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15017M495 W0845M205,82:15035M485 W0845M205,83:15042M485 W0850M15M305,84:15042M485 W0850M15M305									
LANDSAT-1 (MSS)	8521815120500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15016M225 W0820M16M225,82:15035M475 W0820M16M225,83:15042M475 W0850M14M225,84:15042M475 W0850M14M225									
LANDSAT-2 (MSS)	8218415314500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15015M315 W0820M16M225,82:15035M455 W0820M16M225,83:15042M455 W0850M14M225,84:15042M455 W0850M14M225									
LANDSAT-1 (MSS)	850761520500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15015M315 W0820M16M225,82:15035M455 W0820M16M225,83:15042M455 W0850M14M225,84:15042M455 W0850M14M225									
LANDSAT-2 (MSS)	8107615301500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15015M315 W0820M16M225,82:15035M455 W0820M16M225,83:15042M455 W0850M14M225,84:15042M455 W0850M14M225									
LANDSAT-1 (MSS)	8184015313500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15017M505 W0820M17M505,82:15035M475 W0820M17M505,83:15042M475 W0850M16M505									
LANDSAT-2 (MSS)	818215322500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15016M315 W0820M17M505,82:15035M475 W0820M17M505,83:15042M475 W0850M16M505									
LANDSAT-1 (MSS)	8160615322500	E4W-02-1"	00880-	00880-	82100C414005	ACBICS	#005	82100C220229	P
CORNER POINT COORDINATES=81:15016M315 W0820M17M505,82:15035M475 W0820M17M505,83:15042M475 W0850M16M505									

PHONE: 605-594-6951: SIGON FALLS, SUDAN Dacia 57196
 FEDERAL TELECOMMUNICATIONS SYSTEM PHONES USE 784-7151
 CONTACT NUMBER 000451002
 QUAN/ELAS

DRAFT DATE 05/25/97
 DUE DATE 05/27/97
 TIME 22:37
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DATA TYPE LANDSAT

IMAGE TYPE	SCENE ID	FILM-SOURCE QUALITY CLOUD EXP-FDATE	SCENE-E DATE-A-POINT	SCENE-E SCALE	MICROFORP	BLP2	CCL CC1
PAIR-20	RUN-36	LANDSAT	80000	50X 06/19/74 N34C15W105 WCA400AM225 113-369-000	8110C260001	P	N
LANDSAT-1 (LSS)	8167015362230	LANDSAT COORDINATES=81N35015W55C W0620-59175&2:1435C32W95 8084C514225, #3-34C02R005 W058020W255, #4N3D45M315					
LANDSAT-1 (LSS)	8167015365500	LANDSAT COORDINATES=81N35016W653 W0620-775&2:135T35R245 1084C55P335, #3-34C03P445	8002 06/07/74 N34C41W375 WCB4011195 1:3-369-000	6110C2511C4			
LANDSAT-1 (LSS)	8159815390500	LANDSAT COORDINATES=81N35017M02 82N35034W655 W0620-68155, #3-34C042P55b, #23143C03P535	802800 03/27/74 N34C49W445 HC0305Y445 1:3-369-000	6110C2105CS	P	N	
LANDSAT-1 (LSS)	8157015392500	LANDSAT COORDINATES=81N35018W655 W0620-64P46, #3-34C03P535	800800 40X 02/13/74 N34C36W215 WC0305W0026 1:3-369-00U	6110C2C1516	P	N	
LANDSAT-1 (LSS)	81521539500	LANDSAT COORDINATES=81N35016W55C W0620-48P515, #3-34C042P55b, #23143C04P075, #3143C01M305	800000 01/26/74 N34C40W35 HC0305A0095 1:3-369-000	6110C2105CS	P	N	
LANDSAT-1 (LSS)	8126153622500	LANDSAT COORDINATES=81N35014W665 W0620-49P515, #3-34C042P55b, #23143C04P075, #3143C01M305	800000 05/22/73 N34C38W175 WCB400M205 1:3-369-000	6110C2C1645	P	N	
LANDSAT-1 (LSS)	810015441500	LANDSAT COORDINATES=81N35021W175 W0620-9P455, #2:135T35H155 1084C56P375, #3-34C01P185	800000 05/19/73 N34C44W445 HC0406M523 1:3-369-000	6110C1525C	P	N	
LANDSAT-1 (LSS)	8122015442500	LANDSAT COORDINATES=81N35021W175 W0620-9P455, #2:135T35H155 1084C56P375, #3-34C01P185	800000 09/04/73 N34C38W415 W062019W055, #3-34C01P185 W062019W055 1:3-369-000	6110C1525C	P	N	
LANDSAT-1 (LSS)	811015444500	LANDSAT COORDINATES=81N35021W175 W0620-9P455, #2:135T35H155 1084C56P375, #3-34C01P185	800000 04/06/73 N34C45W175 WCB4011005 1:3-369-000	6110C120111	P	N	
LANDSAT-1 (LSS)	8126415441530	LANDSAT COORDINATES=81N35016W615 W0620-77P555, #24N35C06W205 1084C56P375, #3-34C01P185	800000 05/19/73 N34C44W445 HC0406M523 1:3-369-000	6110C1525C	P	N	
LANDSAT-1 (LSS)	8124615442500	LANDSAT COORDINATES=81N35016W615 W0620-77P555, #24N35C06W205 1084C56P375, #3-34C01P185	800000 05/19/73 N34C44W445 HC0406M523 1:3-369-000	6110C1525C	P	N	
LANDSAT-1 (LSS)	8122015442500	LANDSAT COORDINATES=81N35016W615 W0620-77P555, #24N35C06W205 1084C56P375, #3-34C01P185	800000 05/19/73 N34C44W445 HC0406M523 1:3-369-000	6110C1525C	P	N	
LANDSAT-1 (LSS)	8119215440500	LANDSAT COORDINATES=81N35014W225 W0620-65P555, #3-34C042P55b, #23143C04P075, #3143C01M305	800000 05/01/73 N34C42W425 W05804012M1435 1:3-369-000	6110C16167	P	N	
LANDSAT-1 (LSS)	8135015441530	LANDSAT COORDINATES=81N35016W615 W0620-77P555, #24N35C06W205 1084C56P375, #3-34C01P185	800000 05/19/73 N34C44W445 HC0406M523 1:3-369-000	6110C1525C	P	N	
LANDSAT-1 (LSS)	8122015442500	LANDSAT COORDINATES=81N35016W615 W0620-77P555, #24N35C06W205 1084C56P375, #3-34C01P185	800000 05/19/73 N34C44W445 HC0406M523 1:3-369-000	6110C1525C	P	N	
LANDSAT-1 (LSS)	8119215440500	LANDSAT COORDINATES=81N35014W225 W0620-65P555, #3-34C042P55b, #23143C04P075, #3143C01M305	800000 05/01/73 N34C42W425 W05804012M1435 1:3-369-000	6110C16167	P	N	
LANDSAT-1 (LSS)	8135015441530	LANDSAT COORDINATES=81N35016W615 W0620-77P555, #24N35C06W205 1084C56P375, #3-34C01P185	800000 05/19/73 N34C44W445 HC0406M523 1:3-369-000	6110C1525C	P	N	

CONTACT NUMBER 0004551002
COUNTRY LAS

DATA TYPE LANDSAT

IMAGERY-TYPE	SCENE ID	FILM-SOURCE	QUALITY	CLOUD EXPON-GATE	SCENE-CENTER-POINT	SCENE-CENTER-POINT	SCENE-SCALE	MICROFOR	CCF	CCF
PAIR-21 (HMS)	LANDSAT-1 83014015374X0	EAM-02-1"	8000-	201 07/23/72	N150544N 35W06053M56S	1:3,369,000	"OCOCOCCCCC	P	N	
CORNER POINT COORDINATES #1:N36027M57S #2:N36045M19S #3:N36045M19S #4:N36045M19S					W086001#365,821#352#350 W086001#365,821#352#353					
LANDSAT-3 (HMS)	LANDSAT-3 (HMS) COORDINATES #1:N36028M11S #2:N36045M11S #3:N36045M11S #4:N36045M11S	EAM-02-1"	8000-	07/05/71	N150544N 35W06054M56S	1:3,369,000	"OCOCOCCCCC	P	N	
CORNER POINT COORDINATES #1:N36028M11S #2:N36045M11S #3:N36045M11S #4:N36045M11S					W086002#365,821#352#353 W086002#365,821#352#355					
LANDSAT-3 (HMS)	LANDSAT-3 (HMS) COORDINATES #1:N36027M24S #2:N36043M24S #3:N36043M24S #4:N36043M24S	EAM-02-1"	8000-	06/17/72	N150544M11S 4:34,052,423,0	1:3,369,000	"OCOCOCCCCC	P	N	
CORNER POINT COORDINATES #1:N36027M24S #2:N36043M24S #3:N36043M24S #4:N36043M24S					W086000#265,824#352#353 W086000#265,824#352#355					
LANDSAT-3 (HMS)	LANDSAT-3 (HMS) COORDINATES #1:N36026M55S #2:N36042M55S #3:N36042M55S #4:N36042M55S	EAM-02-1"	5550-	902 05/30/72	N15053M4ES	W086051#415,821#352#353	"OCOCOCCCCC	P	N	
CORNER POINT COORDINATES #1:N36026M55S #2:N36042M55S #3:N36042M55S #4:N36042M55S					W085056#5CS,821#352#353 W085056#5CS,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36033M57S #2:N36043M15S #3:N36043M15S #4:N36043M15S	EAM-02-1"	8000-	502 05/31/72	A35055M00CS	W08601#365,821#352#353	"21015C384	P	N	
CORNER POINT COORDINATES #1:N36033M57S #2:N36043M15S #3:N36043M15S #4:N36043M15S					W08601#365,821#352#353 W08601#365,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36045M20S #2:N36046M22S #3:N36056M12S #4:N36056M12S	EAM-02-2"	5500-	102 05/13/72	A36050C00S	W084057#400S,821#352#353	"21001#142	P	N	
CORNER POINT COORDINATES #1:N36045M20S #2:N36046M22S #3:N36056M12S #4:N36056M12S					W086009#400S,821#352#353 W086009#400S,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36035M50S #2:N36041M51S #3:N36041M51S #4:N36041M51S	EAM-02-1"	8000-	232 05/13/72	I36050CM00S	W084057#400S,821#352#353	"21015C1E1C1S	P	N	
CORNER POINT COORDINATES #1:N36035M50S #2:N36041M51S #3:N36041M51S #4:N36041M51S					W086011#402S,821#352#353 W086011#402S,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36035M50S #2:N36041M51S #3:N36041M51S #4:N36041M51S	EAM-02-1"	8000-	002 12/03/72	N36050CM00S	W084057#400S,821#352#353	"21015C552	F	Y	
CORNER POINT COORDINATES #1:N36035M50S #2:N36041M51S #3:N36041M51S #4:N36041M51S					W086009#400S,821#352#353 W086009#400S,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36037M16S #2:N36049M45S #3:N36055M14S #4:N36055M14S	EAM-02-1"	5500-	722 16/20/72	H36050T00S	W084057#400S,821#352#353	"21015C120446	F	N	
CORNER POINT COORDINATES #1:N36037M16S #2:N36049M45S #3:N36055M14S #4:N36055M14S					W086011#408S,821#352#353 W086011#408S,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36037M16S #2:N36049M45S #3:N36055M14S #4:N36055M14S	EAM-02-1"	5550-	902 05/22/72	A35055M00CS	W084057#400S,821#352#353	"21015C10871	P	N	
CORNER POINT COORDINATES #1:N36037M16S #2:N36049M45S #3:N36055M14S #4:N36055M14S					W086011#408S,821#352#353 W086011#408S,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36032M24S #2:N36032M24S #3:N36032M24S #4:N36032M24S	EAM-02-1"	5050-	902 05/22/72	A35055M00CS	W084057#400S,821#352#353	"21015C10871	P	N	
CORNER POINT COORDINATES #1:N36032M24S #2:N36032M24S #3:N36032M24S #4:N36032M24S					W086011#408S,821#352#353 W086011#408S,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36031M50S #2:N36031M50S #3:N36031M50S #4:N36031M50S	EAM-02-1"	5500-	102 05/04/72	N35055M00S	W084057#400S,821#352#353	"21015C0245	F	N	
CORNER POINT COORDINATES #1:N36031M50S #2:N36031M50S #3:N36031M50S #4:N36031M50S					W086007#400S,821#352#353 W086007#400S,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36037M050 #2:N36047M050 #3:N36047M050 #4:N36047M050	EAM-02-1"	5550-	302 07/30/72	A36050F00S	W084057#400S,821#352#353	"21015C1232	F	N	
CORNER POINT COORDINATES #1:N36037M050 #2:N36047M050 #3:N36047M050 #4:N36047M050					W086007#400S,821#352#353 W086007#400S,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36023M11S #2:N36024M04S #3:N36024M04S #4:N36024M04S	EAM-02-1"	8000-	202 05/19/72	A35047M00S	W084057#400S,821#352#353	"2100606115	F	N	
CORNER POINT COORDINATES #1:N36023M11S #2:N36024M04S #3:N36024M04S #4:N36024M04S					W086011#408S,821#352#353 W086011#408S,821#352#355					
LANDSAT-2 (HMS)	LANDSAT-2 (HMS) COORDINATES #1:N36027M55S #2:N36027M55S #3:N36027M55S #4:N36027M55S	EAM-02-1"	8055-	802 05/01/72	A35045M00S	W084057#400S,821#352#353	"21006050777	P	N	
CORNER POINT COORDINATES #1:N36027M55S #2:N36027M55S #3:N36027M55S #4:N36027M55S					W086011#408S,821#352#353 W086011#408S,821#352#355					

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REPORT NO. L1025-1
DATE 08/31/78
TIME 22:36
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Skylab Data

The NASA Skylab Program consisted of one unmanned and three manned missions flown between May 1973, and February 1974. The spacecraft orbited 270 miles (430 km) above the Earth and acquired photographs and images of selected areas between latitudes 50° N and 50° S. The data cover a number of scattered test sites selected to support Earth resources experiments. The photographs, however, do not provide complete systematic coverage of the Earth's surface.

Photographic data from the S190-A and S190-B experiments are available from the EROS Data Center.

S190-A - Multispectral Photographic Cameras consisted of six cameras, with 6-inch focal length lenses and 70 mm film. The films used were filtered black-and-white, color, and false-color infrared. The area covered by each image is 100 x 100 miles (160 x 160 km).

S190-B - Earth Terrain Camera is a single camera with 18-inch focal length lens using 5-inch (127 mm) film. Various black-and-white, color, and false-color infrared films were used in the camera. The area covered by each frame of this system was 70 x 70 miles (110 x 110 km).

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REPORT NO. DIC 25-1
 DATE 06/31/74
 TIME 22:36
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DATA TYPE: FROTS-SINGLE SCENE-ID: SCENE-CENTER-POINT: SCENE-SCALE: -4166CF1F-
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 CORNER POINT COORDINATES:#1:N3505M36S W063045M06S, #2:N3459M45S W063045M10S, #3:N3303M45S W063029M12S, #4:N3403M16S W063022M
 PANNED-SAT-SKYLAB-190A G40A06166000 C1h-02-2" *-8" 30Z C1/16/74 N3433P24S W03037M06S 1:2+0-5.4234 0C031706260
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 PANNED-SAT-SKYLAB-190A G40A07166000 CCL-02-2" *-8" 90Z C1/16/74 N3433P24S W03037M06S 1:2+0-5.4234 0C03171016
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 PANNED-SAT-SKYLAB-190A G40A072166000 R4h-02-2" *-8" 90Z C1/16/74 N3433P24S W03037M06S 1:2+0-5.4234 0C032401677
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 CORNER POINT COORDINATES:#1:N3505M42S W0619P42S, #2:N345024S W0619P42S, #3:N3305M42S W0619P42S, #4:N3506M05S W062026M
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 PANNED-SAT-SKYLAB-190A G40A06165000 61R-02-2" *-8" 30Z C1/16/74 N3457M42S W04011M06S 1:2+0-6.34 0C032401666
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 PANNED-SAT-SKYLAB-190A G40A06165000 61R-02-2" *-8" 90Z C1/16/74 N3457M42S W04011M06S 1:2+0-6.34 0C03170615
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 PANNED-SAT-SKYLAB-190A G40A07165000 S1h-02-2" *-8" 30Z C1/16/74 N3457M42S W04011M06S 1:2+0-6.34 0C032416954
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 PANNED-SAT-SKYLAB-190A G40A072165000 S1h-02-2" *-8" 90Z C1/16/74 N3457M42S W04011M06S 1:2+0-6.34 0C032415375
 CORNER POINT COORDINATES:#1:N3505M42S W0619P42S, #2:N345024S W0619P42S, #3:N3305M42S W0619P42S, #4:N3506M05S W062026M
 PANNED-SAT-SKYLAB-190A G40A07165000 S1h-02-2" *-8" 30Z C1/16/74 N35021P42S W04045M42S 1:2+0-6.34 0C03170324
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 PANNED-SAT-SKYLAB-190A G40A072165000 S1h-02-2" *-8" 90Z C1/16/74 N35021P42S W04045M42S 1:2+0-6.34 0C03170324
 CORNER POINT COORDINATES:#1:N36023M42S W064045M05S, #2:N36023M42S W064045M05S, #3:N35021P42S W064045M05S, #4:N35028M35S W064045M05S
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 CORNER POINT COORDINATES:#1:N36023M42S W064045M05S, #2:N36023M42S W064045M05S, #3:N35021P42S W064045M05S, #4:N35028M35S W064045M05S
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 CORNER POINT COORDINATES:#1:N36023M42S W064045M05S, #2:N36023M42S W064045M05S, #3:N35021P42S W064045M05S, #4:N35028M35S W064045M05S

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REPORT NO. DIC25-1
DATE 06/31/78
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PHONE 605-554-6541 FEDERAL TELECOMMUNICATIONS SYSTEM PHONES USE 784-7151
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FOUNDRY/LADS

DATA TYPE: PICT-SINGLE

IMAGERY-TYPE:

SCENE ID: FILE-SOURCE QUALITY QLDCP-CAT: SCENE-CENTER-POINT: SCEN-SCALE: MICFCFRP

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CNER POINT COORDINATES:#1:36012M42S 408307105, #2:35027M24S 40822C11, #3:36023M36S W08206M48S, #4:N36048M16S W08205C18S

PANNED-SAT-KYLA-B-1904 G30404621000 84-02-2" 05-2173 N36L20M12S W08244M24S 1:24.06.834 CCC3G51CC5
CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

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CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

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CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

PANNED-SAT-KYLA-B-1904 G30404621000 84-02-2" 05-2173 N36L20M12S W08244M24S 1:24.06.834 CCC3G51711
CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

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CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

PANNED-SAT-KYLA-B-1904 G30404621000 84-02-2" 05-2173 N36L20M12S W08244M24S 1:24.06.834 CCC3G51711
CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

PANNED-SAT-KYLA-B-1904 G30404621000 84-02-2" 05-2173 N36L20M12S W08244M24S 1:24.06.834 CCC3G51711
CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

PANNED-SAT-KYLA-B-1904 G30404621000 84-02-2" 05-2173 N36L20M12S W08244M24S 1:24.06.834 CCC3G51711
CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

PANNED-SAT-KYLA-B-1904 G30404621000 84-02-2" 05-2173 N36L20M12S W08244M24S 1:24.06.834 CCC3G51711
CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

PANNED-SAT-KYLA-B-1904 G30404621000 84-02-2" 05-2173 N36L20M12S W08244M24S 1:24.06.834 CCC3G51711
CNER POINT COORDINATES:#1:36025M36S 40840+0125, #2:43019M12S 40840+0125, #3:36C3M46S W091028M54S, #4:N37021M42S W082036#485

LIFTS DATA CENTER
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REPORT NO. 012255-1
DATE 08/31/78
TIME 2215C
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DATA TYPE PHOTO-SINGLE

14 AUGUST 1980 - SCENE 10 - FILM-SURFACE QUALITY Q1W0 EXPO-CATE SCENE-CENTER-POINT SCENE-SCALE MICFCFCFP.

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PANNED-SAT-SKYLAB-190A G30A043C0000 B1R-U2-2" 080° 30Z N36C07P125 W083D27M36S - 112,000,034 OCC305038G
CORNER POINT COORDINATES #1:N36014M48S #084D42P42S #2:N35006M24S 4083C37P30S #3:K5C59 MOCS W083D12M48S#4:W37M08 MOCS W083D17M42S.

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PANNED-SAT-SKYLAB-190A G30A04700000 B1W-U2-2" 080° 30Z CS/16/73 N36C07P125 W083D27M36S - 112,000,034 OCC311146S
CORNER POINT COORDINATES #1:N36014M48S #084D42P42S #2:N35006M24S 4083C37P30S #3:K5C59 MOCS W083D12M48S#4:W37M08 MOCS W083D17M42S.

PANNED-SAT-SKYLAB-190A G30A046U052000 CCL-U2-2" 080° 10Z CS/16/73 N36C07P125 W083D27M36S - 112,000,034 OCC311146S
CORNER POINT COORDINATES #1:N36012M42S #083D48P42S #2:N35C46M45 4083C5P125 #3:K6C1 P42S W083D08P30S #4:W37M07M42S W083D17M42S.

PANNED-SAT-SKYLAB-190A G30A047020000 B1W-U2-2" 080° 20Z CS/16/73 N36C11P6S MO82D51M42S - 112,001,234 OCC305127
CORNER POINT COORDINATES #1:N36013M48S #084D17P125 #2:N35C33M36S 4083C11P6S #3:K6C1 P42S W081D16P36S #4:W37D31M42S W082D24P42S.

PANNED-SAT-SKYLAB-190A G30A047020000 d1W-U2-2" 080° 20Z CS/16/73 N36C11P6S MO82D51M42S - 112,001,234 OCC305038I
CORNER POINT COORDINATES #1:N36013M48S #084D17P125 #2:N35C30M06S 4083C11P6S #3:K6C1 P42S W081D16P36S #4:W37D31M42S W082D24P42S.

PANNED-SAT-SKYLAB-190A G30A046U020000 CCL-U2-2" 080° 20Z CS/16/73 N36C11P6S MO82D51M42S - 112,001,234 OCC30511466
CORNER POINT COORDINATES #1:N36013M48S #084D17P125 #2:N35C30M06S 4083C11P6S #3:K6C1 P42S W081D16P36S #4:W37D31M42S W082D24P42S.

PANNED-SAT-SKYLAB-190A G30A047020000 d1W-U2-2" 080° 20Z CS/16/73 N36C11P6S MO82D51M42S - 112,001,234 OCC30501440
CORNER POINT COORDINATES #1:N36013M48S #084D17P125 #2:N35C30M06S 4083C11P6S #3:K6C1 P42S W081D16P36S #4:W37D31M42S W082D24P42S.

PANNED-SAT-SKYLAB-190A G30A046U050000 CCL-U2-2" 080° 30Z 09/16/73 N35C56P05S MO83D045M24S - 11950,000 0C03111584
CORNER POINT COORDINATES #1:N36013M48S #084D17P125 #2:N35C30M06S 4083C56P05S #3:K6C1 P42S W082D11M00S #4:W36M35CS W082D04P42S.

PANNED-SAT-SKYLAB-190A G30A047120A G30A046U020000 d1W-U2-2" 080° 40Z CS/16/73 N35C52PCCS MO82D01M00S - 112,650,000 0C03111513
CORNER POINT COORDINATES #1:N36015M12S W082D11M00S #2:N35C49P48S #3:K4C49P48S W081D51MOCS, #4:W36D04P42S.

PANNED-SAT-SKYLAB-190A G30A0472252000 04W-U2-2" 080° 40Z 06/16/73 N35C52PCCS MO82D01M00S - 112,650,000 0C03C1635
CORNER POINT COORDINATES #1:N36015M12S W082D11M00S #2:N35C49P48S #3:K4C49P48S W081D51MOCS, #4:W36D04P42S.

PANNED-SAT-SKYLAB-190A G2CA010268000 CCL-U2-2" 080° 50Z CS/16/73 N35C52PCCS MO82D01M00S - 112,650,000 0C03C1635
CORNER POINT COORDINATES #1:N36054M12S W082D11M00S #2:N35C49P48S #3:K4C49P48S W081D51MOCS, #4:W36D04P42S.

PANNED-SAT-SKYLAB-190A G2CA010268000 CIR-U2-2" 080° 50Z 06/16/73 N35C52PCCS MO82D01M00S - 112,650,000 0C03C21634
CORNER POINT COORDINATES #1:N36054M12S W082D11M00S #2:N35C49P48S #3:K4C49P48S W081D51MOCS, #4:W36D04P42S.

PANNED-SAT-SKYLAB-190A G2CA0066252000 01W-U2-2" 080° 50Z 06/16/73 N35C52PCCS MO82D01M00S - 112,650,000 0C03C21634
CORNER POINT COORDINATES #1:N36054M12S W082D11M00S #2:N35C49P48S #3:K4C49P48S W081D51MOCS, #4:W36D04P42S.

ՀԱՅԱՍՏԱՆԻ ՀԱՆՐԱՊԵՏՈՒԹՅՈՒՆ

REPORT # - DIC25-1
DATE - 08/31/78
TIME - 22:15Z
PAGE - 37

DATA TYPES FOR GEOMETRY

NASA High-altitude Aerial Photographs are taken by the NASA Earth Resources Aircraft Program. High-altitude aerial photographs are available in black-and-white, color, or false-color infrared, and clearly show easily identifiable ground features such as roads, farms, and cities. NASA coverage is obtained from U-2 and RB-57 flights at altitudes of approximately 60,000 feet (18,000 m). In general, each high-altitude frame of a 9-inch (23 cm) film format photograph shows an area approximately 17 miles (27 km) on a side. Coverage is of pre-selected test sites within the continental United States and is not available for all areas.

~~EROS DATA CENTER~~
SIoux FALLS, SOUTH DAKOTA 57198
PHONE 605-394-6211 FEDERAL TELECOMMUNICATIONS SYSTEM PHONES USE 764-7151
CONTACT NUMBER 0004531002 TERMINAL JASA12
BONNER/AS

1000

EFFECTS OF RETENTION

LAVYJOE RANGE LONGITUDE RANGE
MISSISSIPPI 484022N 6040

1992 VERTICAL READING-TECH AGENCY QUALITY CLOUD-COVER RECORDING

卷之三

ENRON DATA CENTER
SIoux FALLS, SOUTH DAKOTA 57198
PHONE 605-294-6511 - FEDERAL TELE-COMMUNICATIONS SYSTEM PM
CONTACT NUMBER 000 653 1002. — TERMINAL IS
BONNER LAS

REPORT NO. 09-01-1
DATE 09/17/78
TIME 09:36
PAGE 3

DATA TYPE PHOTO-SERIES

Aerial Mapping Photographs have been acquired over the past 25 years by the USGS and other Federal government agencies for mapping of the United States. The photographs are black-and-white, and have less than 5% cloud cover.

The survey altitude ranges from 2,000 feet (600 m) to 40,000 feet (12,000 m). The basic film format is 9 x 9 inches (23 x 23 cm) and shows areas from 3 to 9 miles (4.8 to 1,414 km) on a side depending on the scale of the photograph.

Because of the large number of aerial photographs needed to show any specific region on the ground, the photographs have been indexed by mounting series of consecutive and adjacent photographs to create mosaics of photographs of specified areas. These mosaics are referred to as "photo indexes." When ordering aerial mapping photographs it is necessary to first order a photo index of the area of interest to determine the specific aerial photographs needed.

EROS DATA CENTER
SIoux FALLS, SOUTH DAKOTA 27193
FEDERAL TELECOMMUNICATIONS SYSTEM PHOENIX
PHONE 605-594-6511
CONTACT NUMBER 0004531002
HOMES
TERMINAL 1A5

4
PAGE ONE
DATE 08/15/78
TIME 09:36
APPROV'D BY - DLT/DOJ/ML

TERMINAL 162422 - 0004531002 - 430341 M3E4 LUDWIG HOM 38/15

DATA TYPE PNT0-1N2E

IMAGE-SERIES-TYPE INDEX-TYPE SCENE INDEX-SCENE EXP-D-DAIS SCENE-SCALE MICRO-DRM

REPORT-NOC-0100921

SIOUX FALLS, SOUTH DAKOTA 57198

FEDERAL TELECOMMUNICATIONS SYSTEM PHONES USE 784-7151

CONTACT NUMBER 00046511002 TERMINAL 10342

BONNER/LAS

DATA TYPE PHOTO-INDEX
IMAGERY-TYPE SCENE ID INDEX-TYPE QUALITY CLOUD EXP-DATE SCENE-SCALE MICROFORM

AERIAL-MAPPING-SQUARE 144D001370164 B&W-SIZE A **8** 002 04/08/56 1:36,000 0000370164
:LINE POINT COORDINATES=81:135037N 305:022:135037N 305:005 N0813037M005 W022:135037N 305 N0813037M005 W022:135037N 305



**Figure 4. -- INQUIRY FORM
GEOGRAPHIC COMPUTER SEARCH**
U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Return completed form to the facility nearest you.

DATE _____

NAME **MR** **MS** _____
(FIRST) (MIDDLE) (LAST)

ACCOUNT NO. _____
(IF UNKNOWN)

COMPANY _____
(IF BUSINESS ASSOCIATED)

PHONE (Bus.) _____

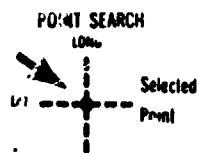
ADDRESS _____

PHONE (Home) _____

CITY _____

Your Ref. No. _____
(P.O. GOVT ACCT OR OTHER)

NCIC HEADQUARTERS
U.S. Geological Survey
507 National Center
Reston, VA 22092
FTS: 928-6045
COMM: 703-860-6045



Imagery with any coverage over the selected point will be included

TO INITIATE AN INQUIRY AND COMPUTER GEOSearch COMPLETE THE FOLLOWING

POINT SEARCH LONG LAT Selected Point	POINT #1 Latitude * ° N or S	POINT #2 Latitude * ° N or S	POINT #3 Latitude * ° N or S
	Longitude * ° E or W	Longitude * ° E or W	Longitude * ° E or W
Landsat Only (Worldwide Reference System)			
Path _____	Path _____	Path _____	Path _____
Row _____	Row _____	Row _____	Row _____

AREA RECTANGLE LONG LONG LAT LAT	AREA #1 Lat. * ° N or S to Lat. * ° N or S	AREA #2 Lat. * ° N or S to Lat. * ° N or S	AREA #3 Lat. * ° N or S to Lat. * ° N or S
	Long * ° E or W to Long * ° E or W	Long * ° E or W to Long * ° E or W	Long * ° E or W to Long * ° E or W

Imagery with any coverage over the selected area will be included

If the above geographic coordinates cannot be supplied please specify area by GEOGRAPHIC NAME AND LOCATION (include a map if possible)

PREFERRED TYPE OF COVERAGE Black & White Color or Color Infrared	PREFERRED TIME OF YEAR Check maximum of three
<input type="checkbox"/> Landsat <input type="checkbox"/> Skylab <input type="checkbox"/> NASA-Aircraft <input type="checkbox"/> Aerial Mapping Photography (Minimum color available)	<input type="checkbox"/> JAN-MAR <input type="checkbox"/> APR-JUNE <input type="checkbox"/> JULY-SEPT <input type="checkbox"/> OCT-DEC
	<input type="checkbox"/> All coverage <input type="checkbox"/> Latest coverage <input type="checkbox"/> SPECIFIC DATES _____
	NOTE: Seasonal coverage normally applies only to Landsat coverage

MINIMUM QUALITY RATING ACCEPTABLE

02 3-4 5-6 7-9
(VERY POOR) (POOR) (FAIR) (GOOD)

MAXIMUM CLOUD COVER ACCEPTABLE

10% 30% 50% 80% 100%

NOTE: Classification of percent of cloud cover is subjective and is relative to the amount of clouds appearing on the imagery and not to their location

APPLICATION AND INTENDED USE _____

**EROS APPLICATIONS
FACILITY**
NSTL
U.S. Geological Survey
Bay St. Louis, MS 39520
FTS: 494-3541
COMM: 688-3472

NCIC MID-CONTINENT
U.S. Geological Survey
1400 Independence Rd.
Rolla, MO 65401
FTS: 276-9107
COMM: 314-364-3680

EROS DATA CENTER
U.S. Geological Survey
Sioux Falls, SD 57198
FTS: 784-7151
COMM: 605-594-6511

NCIC ROCKY MOUNTAIN
U.S. Geological Survey
Stop 510, Box 25046
Denver Federal Ctr.
Denver, CO 80225
FTS: 234-2326
COMM: 303-234-2326

NCIC WESTERN
U.S. Geological Survey
345 Middlefield Rd.
Menlo Park, CA 94025
FTS: 467-2427
COMM: 415 323-8111

Figure 5. -- HOW TO REQUEST A GEOGRAPHIC SEARCH

This form is used to request a computer search for imagery over a point or area of interest.

Data from this inquiry sheet will be used to initiate a computer Geosearch. The results will be returned on a computer listing along with a decoding sheet, from which imagery can be selected and ordered.

Complete the form as follows:

- A. Enter your NAME, ADDRESS, and ZIP CODE clearly. If you have had previous contact with that facility, include your ACCOUNT number. Enter a PHONE number where you can be reached during business hours.
- B. Complete the required information for either the POINT SEARCH, or AREA RECTANGLE inquiry, which includes the geographic LATITUDE and LONGITUDE coordinates. If coordinates are not available, please supply the GEOGRAPHIC NAME AND LOCATION or a map with the area of interest identified. It is beneficial that you minimize your area of interest, thereby allowing for a faster and more critical retrieval of information.
- C. Complete all other information.
- D. Complete the APPLICATION AND INTENDED USE portion of the inquiry. e.g. Will it be used for identifying buildings or will it be framed and placed on a wall. This information will assist our technicians in determining whether the products available will satisfy your requirements.
- E. Return completed form to the FACILITY NEAREST YOU.

NOTE: If an inquiry is made for Landsat Data, and the Worldwide Reference of PATH and ROW numbers are available, please insert them in the appropriate locations. Otherwise, geographic coordinates will suffice.



**Figure 6. -- ORDER FORM
LANDSAT STANDARD PRODUCTS**

**U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**



**Return
comple'ted
form to
the facility
nearest you.**

NAME **MR**
MS _____ (FIRST) _____ (INITIAL) _____ (LAST) ACCOUNT NO _____
COMPANY _____ (IF BUSINESS ASSOCIATED) PHONE (Bus.) _____
ADDRESS _____ PHONE (Home) _____
CITY _____ STATE _____ ZIP _____ Your Ref. No _____

(P.O. GOVT ACCT OR OTHER)

PLEASE TYPE OR PRINT PLAINLY

STANDARD PRODUCTS

COLOR AND WHITE

IMAGE SIZE	SCALE	FORMAT	PRODUCT CODE
55.6mm (2.2 in)	1:2 352 000	FILM POSITIVE	11
55.6mm (2.2 in)	1:2 366 000	FILM NEGATIVE	01
18.5cm (7.3 in)	1:1 000 000	PAPER	23
18.5cm (7.3 in)	1:1 000 000	FILM POSITIVE	13
18.5cm (7.3 in)	1:1 000 000	FILM NEGATIVE	03
37.6cm (14.8 in)	1:900 000	PAPER	24
74.2cm (29.7 in)	1:250 000	PAPER	26

FALSE COLOR COMPOSITES

IMAGE SIZE	SCALE	FORM' T	PRODUC T CODE
185mm (7.3 in)	1:1000 000	PAPER	83
185mm (7.3 in)	1:1000 000	FILM POSITIVE	83
37 cm (14.6 in)	1:900 000	PAPER	84
74.2 m (292 in)	1:250 000	PAPER	86

COLOR COMPOSITE GENERATION

185 ml (7.3 ml)	1 800 COD	PRINTING MASTER	50
--------------------	-----------	--------------------	----

**NOTE PRINTING MASTER IS RETAINED BY EDC
COST OF PRODUCTS FROM THIS COMPOSITE
MUST BE ADDED TO TOTAL COSTS**

Please refer to current
price list for cost determination.

COMMENTS:

61

FORM 9 1938
(Jan. 1977)

**NCIC WESTERN
U.S. Geological Survey
345 Middlefield Rd.
Menlo Park, CA 94025
FTS: 467-2427
COMM: 415-323-2427**

PAYMENT MADE BY:

CHECK, MONEY ORDER

PURCHASE ORDER

GOVT. ACCOUNT

**NLIC ROCKY MOUNTAIN
U.S. Geological Survey
Stop 510, Box 25046
Denver Federal Ctr.
Denver, CO 80225
FTS: 234-2326
COMM: 303-234-2326**

Figure 7. -- HOW TO ORDER LANDSAT DATA

This order form is used to order all standard Landsat data. Necessary order information can normally be extracted from a computer listing of available data or from other Landsat references.

Please provide the following information in the indicated areas of the order form:

- A. List your complete NAME, ADDRESS, ZIP CODE, and name of your COMPANY if applicable.
- B. List a PHONE NUMBER where you can be contacted during business hours.
- C. If you have had previous business with THAT FACILITY, please list your ACCOUNT NUMBER if known.
- D. Enter the complete SCENE IDENTIFICATION NUMBER. This number can be transcribed directly from the COMPUTER LISTING. If the source of information is from other than a computer listing, please specify the date the scene was recorded and the time taken.
- E. Review the STANDARD PRODUCTS TABLE on the ORDER FORM and determine the type of product desired.
- F. Enter the PRODUCT CODE of the type product being ordered from the STANDARD PRODUCTS TABLE.
- G. Enter an indicator for the band(s) desired.
- H. The COMMENTS portion is completed only when a CUSTOM PRODUCT is desired and you want to specify the parameters. Refer to the current price list for custom product cost determination.
- I. Enter the Total Number of Bands ordered.
- J. Multiply the total bands ordered by the number of copies desired and enter the result in the QUANTITY column.
- K. Enter the UNIT PRICE of the type product as reflected on the current PRICE LIST.
- L. Multiply the figure in the QUANTITY column by the UNIT PRICE and enter the result in the TOTAL PRICE column.
- M. Repeat the above for each product ordered.
- N. TOTAL the costs of all products ordered on that order form and enter the net result in BLOCK A, TOTAL ABOVE.
- O. If more than one order form is required, enter the sum of the figures in BLOCKS A in BLOCK B of the last order form.
- P. Enter the SUM of BLOCK A and BLOCK B in BLOCK C, TOTAL COST.
- Q. Indicate the TYPE of payment being made with a CHECK MARK. Make all drafts payable to U.S. GEOLOGICAL SURVEY. DO NOT SEND CASH.
- R. Mail ORDER FORM(S) and PAYMENT to the FACILITY NEAREST YOU. If payment has been previously forwarded, the order form(s) must be mailed to the same facility.



**Figure 8. -- ORDER FORM
MANNED SPACECRAFT PHOTOGRAPHY
U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**



Return completed form to the facility nearest you.

NAME **MR**
MS (FIRST) (INITIAL) (LAST) ACCOUNT NO
(IF KNOWN)

COMPANY _____ PHONE (Bus.) _____
(IF BUSINESS ASSOCIATED)

ADDRESS _____ PHONE (Home) _____

CITY _____ STATE _____ ZIP _____ Your Ref No
I.P.O. C.O.R.I. ACCI OR OTHER

PLEASE TYPE OR PRINT PLAINLY

STANDARD PRODUCTS

SKYLAB S190A-BLACK AND WHITE

IMAGE SIZE	SCALE	FORMAT	PRODUCT CODE
55 mm (2 in.)	1:250,000	FILM POSITIVE	11
55 mm (2 in.)	1:2,000,000	FILM NEGATIVE	01
16 x 30 (6 x 4 in.)	1:100,000	PAPER	23
32 x 50 (12 x 8 in.)	1:50,000	PAPER	24
85 x 125 (26 x 5 in.)	1:20,000	PAPER	26

SKYLAB S190B-BLACK AND WHITE

IMAGE SIZE	SCALE	FORMAT	PRODUCT CODE
11x4cm (4.5 x 1.5 in)	1:90,000	FILM NEGATIVE	12
11x4cm (4.5 x 1.5 in)	1:900,000	FILM NEGATIVE	14
11x4cm (4.5 x 1.5 in)	-	PAPER	22
21x10cm (8.5 x 4 in)	-	PAPER	23
41x14 cm (17 x 5.5 in)	1:10,000	PAPER	24

ABOLOO: GEMINI-BLACK AND WHITE

NAME	ITEMS	PER C.
S. B. M. 12-21	PAPER	10
S. B. M. 12-21	PAPER	10
S. B. M. 12-21	PAPER	10
S. B. M. 12-21	PAPER	10

NOTE: Please refer to
current price list
for cost determination

COMMENTS:

PAYMENT MADE BY:

CHECK MONEY ORDER

PURCHASE ORDER

GOVT ACCOUNT

APOLLO/GEMINI-COLOR		
IMAGE SIZE	FORMAT	PRODUCT CODE
5 x 8mm (12.2 x 11)	FILM POSITIVE	51
22 mm (8.9 x 11)	PAPER	51
45 mm (1.8 x 11)	PAPER	64

**NCIC ROCKY MOUNTAIN
U.S. Geological Survey
Stop 510, Box 25046
Denver Federal Ctr.
Denver, CO 80225
FTS: 234-2326
CCMM: 303-234-2326**

**NCIC WESTERN
U.S. Geological Survey
345 Middlefield Rd.
Menlo Park, CA 94025
FTS: 408-2427
COMM: 415-323-2427**

Figure 9. -- HOW TO ORDER MANNED SPACECRAFT PHOTOGRAPHY

This order form is used to order all SKYLAB and APOLLO/GEMINI PHOTOGRAPHY. Necessary order information can normally be extracted from a computer listing of available photography or from other references.

Please provide the following information in the indicated areas of the order form:

- A. List your complete NAME, ADDRESS, ZIP CODE, and name of your COMPANY if applicable.
- B. List a PHONE NUMBER where you can be contacted during business hours.
- C. If you have had previous business with that facility, please list your ACCOUNT NUMBER, if known.
- D. Enter the complete PHOTO IDENTIFICATION NUMBER. This number can be transcribed directly from the COMPUTER LISTING. If the source of information is from another source, specify the MISSION, SKYLAB 2, 3, or 4; the SYSTEM, S190A or S190B; ROLL NUMBER; and FRAME NUMBER.
- E. Review the STANDARD PRODUCTS TABLE on the order form and determine the type of product desired. CARE must be exercised in insuring that the system reflected in column 4 of the PHOTO IDENTIFICATION NO. on the computer listing correlates with the respective portion of the tables. i.e. A=S190A; B=S190B.
- F. Enter the PRODUCT CODE of the type product being ordered from the STANDARD PRODUCTS TABLE.
- G. The COMMENTS portion is completed only when a CUSTOM PRODUCT is desired and you want to specify the parameters. Refer to the current price list for custom product cost determination.
- H. Enter the number of COPIES being ordered of that product in the QUANTITY column.
- I. Enter the UNIT PRICE of the product as reflected on the current PRICE LIST.
- J. Multiply the QUANTITY being ordered by the UNIT PRICE. Enter the result in the TOTAL PRICE column.
- K. REPEAT the above for each product ordered.
- L. TOTAL the costs of all products ordered and enter the result in BLOCK A.
- M. If more than one order form is required, enter the sum of the figures in BLOCKS A in BLOCK B of the last order form.
- N. Enter the SUM of BLOCK A and BLOCK B in BLOCK C. TOTAL COSTS.
- O. Indicate the TYPE of payment being made with a CHECK MARK. Make all drafts payable to U. S. GEOLOGICAL SURVEY. DO NOT SEND CASH.
- P. Mail ORDER FORM(S) and PAYMENT to the FACILITY NEAREST YOU. If payment has been previously forwarded, the order form(s) must be mailed to the same facility.



**Figure 10. -- ORDER FORM
NASA AIRCRAFT PHOTOGRAPHY**

**U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**



**Return completed
form to
the facility
nearest you.**

NAME MR.
MRS. _____ (FIRST) _____ (MIDDLE) _____ (LAST) _____ ACCOUNT NO. _____
(IF KNOWN)

COMPANY _____ (IF BUSINESS ASSOCIATED) _____ PHONE (Bus.) _____

ADDRESS _____ PHONE (Home) _____

CITY _____ STATE _____ ZIP _____ Your Ref. No. _____
(P.O. COV. I ACCT. OR OTHER)

PLEASE TYPE OR PRINT PLAINLY

STANDARD PRODUCTS

FILM SOURCE			FILM SOURCE		
	6 x 9cm.	8 x 10cm.		6 x 9cm.	8 x 10cm.
BLACK & WHITE PRODUCTS					
55 Bmm (2 2/3 in) FILM POSITIVE	11				
55 Bmm (2 2/3 in) FILM NEGATIVE	61				
55 Bmm (2 2/3 in) PAPER					
114cm (4 5/8 in) PAPER	22				
114cm (4 5/8 in) FILM POSITIVE	12				
114cm (4 5/8 in) FILM NEGATIVE	62				
22 Bcm (9 in) PAPER	11	23	23		
22 Bcm (9 in) FILM POSITIVE			13		
22 Bcm (9 in) FILM NEGATIVE			1		
22 Bcm (9 cm) 19x10 in. PAPER			51		
22 Bcm (9 cm) 19x10 in. FILM POSITIVE			14		
22 Bcm (9 cm) 19x10 in. FILM NEGATIVE			94		
45 7cm (18 in) PAPER	24	24	24		
88 Gcm (35 in) PAPER	25	25			
91 Gcm (36 in) PAPER	26	26			
COLOR PRODUCTS					
55 Bmm (2 2/3 in) FILM POSITIVE	51				
55 Bmm (2 2/3 in) PAPER					
114cm (4 5/8 in) PAPER	52				
114cm (4 5/8 in) FILM POSITIVE	54				
22 Bcm (9 in) PAPER	57		53		
22 Bcm (9 in) FILM POSITIVE			52		
22 Bcm (9 cm) 19x18 in. PAPER				69	
22 Bcm (9 cm) 19x18 in. FILM POSITIVE				68	
45 7cm (18 in) PAPER	64	64	64		
68 Bcm (27 in) PAPER	65	65			
87 4cm (36 in) PAPER	66	66			

**TOTAL ABOVE
TOTAL FROM
PREVIOUS SHEETS**

TOTAL COST

PAYMENT MADE BY:

CHECK, MONEY ORDER

PURCHASE ORDER

GOV1. ACCOUNT

Please refer to current
price list for cost determination.

COMMENTS:

NCIC HEADQUARTERS
U.S. Geological Survey
507 National Center
Reston, VA 22092
FTS: 928-6045
COMM: 703-860-6045

**EROS APPLICATIONS
FACILITY
NSTL
U.S. Geological Survey
Box St. Louis, MS 39520
FTS: 494-3641
COMM: 688-3472**

**NCIC MID-CONTINENT
U.S. Geological Survey
1400 Independence Rd.
Rolla, MO 65401
FTS: 276-9107
COMM: 314-364-3680**

**EROS DATA CENTER
U.S. Geological Survey
Sioux Falls, SD 57198
FTS: 784-7151
COMM: 605-594-6511**

**NCIC ROCKY MOUNTAIN
U.S. Geological Survey
Stop 510, Box 25046
Denver Federal Ctr.
Denver, CO 80225
FTS: 234-2326
COMM: 303-234-2326**

**NCIC WESTERN
U.S. Geological Survey
345 Middlefield Rd.
Menlo Park, CA 94025
FTS: 467-2427
COMM: 415-323-2427**

Figure 110--

HOW TO ORDER NASA AIRCRAFT PHOTOGRAPHY

This order form is to be used for ordering all NASA AIRCRAFT PHOTOGRAPHY. Photo identification numbers can be transcribed directly from a computer listing. When ordering from other reference sources, be sure to specify the MISSION, ROLL, and FRAME NUMBER for the desired photograph(s).

Please provide the following information in the indicated areas of the order form:

- A. List your complete NAME, ADDRESS, ZIP CODE, and name of your COMPANY if applicable.
- B. List a PHONE NUMBER where you can be contacted during business hours.
- C. If you have had previous business with THAT FACILITY, please list your ACCOUNT NUMBER, if known.
- D. Enter the complete PHOTO IDENTIFICATION NUMBER. This can be transcribed directly from the COMPUTER LISTING. If the source of information is from another source, specify the MISSION, ROLL NUMBER and FRAME NUMBER.
- E. Review the STANDARD PRODUCTS TABLE on the order form and determine the type of product desired. CARE must be exercised in insuring that the FILM SOURCE reflected in the tables correlates with the FILM SOURCE listed on the COMPUTER LISTING.
- F. Enter the PRODUCT CODE of the type product being ordered from the STANDARD PRODUCTS TABLE.
- G. Enter the FRAME NUMBER in the FIRST FRAME column. (See instructions for interpolation of a frame from a PHOTO STRIP) If two or more consecutive frames are being ordered, enter the FIRST FRAME of the series in the FIRST FRAME column and the LAST FRAME in the LAST FRAME column.
- H. Enter the NUMBER OF UNIQUE FRAMES being ordered. Example: FIRST FRAME - 116; LAST FRAME - 119; NO. OF FRAMES is 4.
- I. Enter the NO. OF COPIES being ordered of the FRAMES you have identified.
- J. The COMMENTS portion is completed only when a CUSTOM PRODUCT is desired and you want to specify the parameters. Refer to the current price list for custom product cost determination.
- K. Multiply the NO. OF FRAMES by the NO. OF COPIES and enter the result in the QUANTITY column.
- L. Enter the UNIT PRICE of the product as reflected on the current PRICE LIST.
- M. Multiply the figure in the QUANTITY column by the figure in UNIT PRICE column and ENTER the result in the TOTAL PRICE column.
- N. REPEAT the above for each product ordered.
- O. TOTAL the costs of all products ordered on that order form and enter the NET result in BLOCK A. TOTAL ABOVE.
- P. If more than one order form is required, enter the sum of the figures in BLOCKS A in BLOCK B of the last order form.
- Q. Enter the SUM of BLOCK A and BLOCK B in BLOCK C, TOTAL COST.
- R. Indicate the TYPE of payment being made with a CHECK MARK. Make all drafts payable to U.S. GEOLOGICAL SURVEY. DO NOT SEND CASH.
- S. MAIL ORDER FORM(S) and PAYMENT to the FACILITY NEAREST YOU. If payment has been previously forwarded, the order form(s) must be mailed to the same facility.



**Figure 12. -- ORDER FORM
AERIAL MAPPING PHOTOGRAPHY
U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

**Return
completed
form to
the facility
nearest you.**

PHOTO INDEXES

PLEASE TYPE OR PRINT PLAINLY

AERIAL MAPPING PHOTOGRAPHY

STANDARD PRODUCTS

BLACK AND WHITE		
IMAGE SIZE	FORMAT	PRODUCT CODE
229cm (9 in)	FILM POSITIVE	13
229cm (9 in)	FILM NEGATIVE	03
229cm (9 in)	PAPER	23
467cm (18 in)	PAPER	24
68.6cm (27 in)	PAPER	25
91.4cm (36 in)	PAPER	26

COLOR/INFRARED		
IMAGE SIZE	FORMAT	PRODUCT CODE
229cm (9 ft.)	FILM POSITIVE	65
229cm (9 in.)	PAPER	53
45cm/cm (18 in.)	PAPER	64
68.6cm (27 in.)	PAPER	65
91.4cm (36 in.)	PAPER	66

**TOTAL ABOVE
TOTAL FROM
PREVIOUS SHEETS
TOTAL COST**

TOTAL COST

PAYMENT MADE BY:

CHECK, MONEY ORDER

PURCHASE ORDER

GOVT. ACCOUNT

NOTE: Please refer to
current price list
for cost determination.

BLACK AND WHITE PHOTO INDEXES		
FILM SOURCE	FORMAT	PRODUCT CODE
B & W SIZE A	25 x 40.5 cm (11 x 12 1/2 in.)	80
B & W SIZE B°	OTHER	87

• SEE ITEM O REVERSE SIDE

COMMENTS: _____

NCIC HEADQUARTERS
U.S. Geological Survey
507 National Center
Reston, VA 22092
FTS: 928-8045
COMM: 703-860-8045

**EROS APPLICATIONS
FACILITY
NSTL
U.S. Geological Survey
Box St. Louis, MS 39520
FTS: 494-3541
COMM: 688-3472**

**NCIC MID-CONTINENT
U.S. Geological Survey
1400 Independence Rd.
Rolla, MO 65401
FTS: 276-9107
COMM: 314-364-3880**

**EROS DATA CENTER
U.S. Geological Survey
Sioux Falls, SD 57198
FTS: 784-7151
COMM: 605-594-6511**

**NCIC ROCKY MOUNTAIN
U.S. Geological Survey
Stop 510, Box 25046
Denver Federal Ctr.
Denver, CO 80225
FTS: 234-2326
COMM: 303-234-2326**

**NCIC WESTERN
U.S. Geological Survey
345 Middlefield Rd.
Menlo Park, CA 94025
FTS: 467-2427
COMM: 415-323-2427**

Figure 13. --

HOW TO ORDER AERIAL MAPPING PHOTOGRAPHY

This order form is used to order either PHOTO INDEXES or INDIVIDUAL PHOTOGRAPHS of AERIAL MAPPING PHOTOGRAPHY.

Please provide the following information in the indicated areas of the order form:

- A. List your complete NAME, ADDRESS, ZIP CODE, and name of your COMPANY if applicable.
- B. List a PHONE NUMBER where you can be contacted during business hours.
- C. If you have had previous business with THAT FACILITY, please list your ACCOUNT NUMBER, if known.
- D. Enter the complete PHOTO IDENTIFICATION NUMBER as follows:

PHOTO INDEX: This number can be transcribed directly from a computer listing. Format size must be ordered according to available FILM SOURCE. Size A is 10" x 12". Size B is all sizes larger than 10" x 12", with most 20" x 24".

INDIVIDUAL PHOTOGRAPHS: This number can be transcribed directly from a PHOTO INDEX, by selecting the PROJECT, ROLL and FRAME NO. from the respective photographs. If only one frame of photography is being ordered, the column identified as LAST FRAME can be ignored; however, if more than one consecutive frame is required, please complete both the FIRST and LAST FRAME columns.

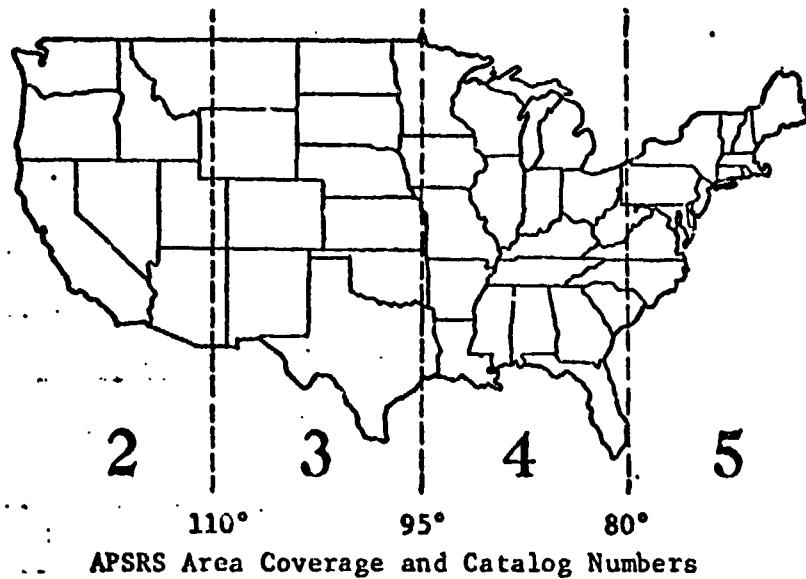
- E. REVIEW the STANDARD PRODUCTS TABLE on the order form and determine the type of PRODUCT desired.
- F. Enter the PRODUCT CODE of the type product being ordered from the STANDARD PRODUCTS TABLE.
- G. If you are ordering MORE than one photograph from a roll, enter the TOTAL in the NO. OF FRAMES column.
Example: FIRST FRAME - 106; LAST FRAME - 112; NO. OF FRAMES = 7.
- H. The COMMENTS portion is completed only when a CUSTOM PRODUCT is desired and you want to specify the parameters. Refer to the current price list for custom product cost determination.
- I. Enter the NUMBER of copies being ordered of that product in the QUANTITY column. When the NO. OF FRAMES column reflects more than one, it will be necessary to MULTIPLY that figure times the number of copies to derive the QUANTITY figure.
- J. Enter the UNIT PRICE of the product as reflected on the current PRICE LIST.
- K. MULTIPLY the figure in the QUANTITY column by the UNIT PRICE, and enter the result in the TOTAL PRICE column.
- L. REPEAT the above for each product ordered.
- M. TOTAL the costs of all products ordered on that form and enter the result in BLOCK A. TOTAL ABOVE.
- N. If more than one order form is required, enter the sum of the figures in BLOCKS A in BLOCK B of the last order form.
- O. Enter the SUM of BLOCK A and BLOCK B in BLOCK C. TOTAL COST.
- P. Indicate the TYPE of payment being made with a CHECKMARK. Make all drafts payable to U.S. GEOLOGICAL SURVEY. DO NOT SEND CASH.
- Q. Mail ORDER FORM(S) and PAYMENT to the FACILITY NEAREST YOU. If payment has been previously forwarded, the order form(s) must be mailed to the same facility.

Figure 14. -- CATALOGS OF AERIAL PHOTOGRAPHY COVERAGE

Access to much of the Federal Government's aerial photography holdings and programs has been simplified and facilitated through the publishing of the Aerial Photography Summary Record System (APSRS), a series of map catalogs and supporting text which categorizes this coverage in the following manner:

- planned aerial photo coverage
- photo acquisition programs in progress
- existing aerial photo coverage

Developed by the National Cartographic Information Center (NCIC), the APSRS provides a single source where potential users can determine both the characteristics and sources of aerial photography covering areas of interest. The catalogs contain outline map indexes to reference the geographic coverage, general time of acquisition, scale range, and sources of the photography. Each APSRS catalog summarizes the coverage in a 15° strip of longitude, with four catalogs providing complete coverage of the conterminous United States. A catalog for Alaska and Hawaii (#1) will be published in the near future. The catalog numbers and coverage are shown below:



APSRS Area Coverage and Catalog Numbers

Each map index shows state and county boundaries, and symbols represent agencies or organizations providing data on their holdings and plans. Coverage is shown for areas as small as a 1:24,000 scale topographic map, or about 60 square miles. When more than one agency has reported photographic coverage, only the most recent coverage is shown.

Among the agencies cooperating with NCIC in the APSRS program are the Forest Service, Soil Conservation Service, and Agricultural Stabilization and Conservation Service of the Department of Agriculture; the National Ocean Survey; the Defense Mapping Agency; and the EROS Data Center, U.S. Geological Survey. Over 13 million frames of aerial photography have been evaluated in the preparation of the APSRS catalogs.

APSRS catalogs of the United States, and microfiche of computer listings describing coverage characteristics, can be purchased by completing the form on the reverse side.



Figure 15. -- ORDER FORM

AERIAL PHOTOGRAPHY SUMMARY RECORD SYSTEM

Date _____

NAME Mr. _____
(First) (Initial) (Last)

ADDRESS _____ PHONE _____

CITY _____ STATE _____ ZIP CODE _____

CATALOGS

STRIP	UNIT PRICE	QTY	TOTAL PRICE
2	\$1.00		
3	1.00		
4	1.00		
5	1.00		
ALL FOUR	4.00		
TOTAL COST			

MICROFICHE SETS*

STRIP	UNIT PRICE	QTY	TOTAL PRICE
2	\$2.85		
3	2.10		
4	2.55		
5	1.50		
ALL FOUR	9.00		
TOTAL COST			
GRAND TOTAL			

*Microfiche are designed for use on a 48X reader. Each microfiche (105 X 148 mm) may contain up to 269 full pages of computer listings.

NOTE: MAKE ALL CHECKS PAYABLE TO "U.S. GEOLOGICAL SURVEY" AND MAIL TO:
USER SERVICES, EROS DATA CENTER, SIOUX FALLS, SD 57198
PHONE: Commercial (605) 594-6511; FTS 784-7508

PRICE LIST
STANDARD REMOTE SENSING DATA
U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



JANUARY 1, 1977

SATELLITE DATA

STANDARD LANDSAT			BLACK and WHITE		COLOR	
IMAGE SIZE	NOMINAL SCALE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
50.0mm (2.2 in.)	1:3000000	Film Positive	\$ 8.00	11		
50.0mm (2.2 in.)	1:3000000	Film Negative	10.00	01		
10.0cm (7.3 in.)	1:1000000	Paper	8.00	23		
10.0cm (7.3 in.)	1:1000000	Film Positive	10.00	13		
10.0cm (7.3 in.)	1:1000000	Film Negative	10.00	03		
37.1cm (14.6 in.)	1:500000	Paper	12.00	24		
74.2cm (29.2 in.)	1:250000	Paper	20.00	26		

COLOR COMPOSITE GENERATION						
					\$ 50.00	99

NOTE 1. Portrayed in false color (infrared) and not true color.
2. Cost of product from the composite must be added to total cost.

COMPUTER COMPATIBLE TAPES (CCT)				
TRCKS	b.p.s.	FORMAT	SET PRICE	PRODUCT CODE
7	800	Tape Set	\$ 200.00	82
9	800	Tape Set	200.00	83
9	1600	Tape Set	200.00	84

SELECTED COVERAGE		BLACK and WHITE		COLOR		
IMAGE SIZE	FORMAT	BAND(S)	UNIT PRICE	PRODUCT CODE	UNIT PRICE	
10.0cm (7.3 in.)	Paper	5	\$ 8.00	41	\$12.00	46
10.0cm (7.3 in.)	Paper	4, 5, 6, 7	32.00	45		
37.1cm (14.6 in.)	Paper	5	12.00	42	26.00	47
74.2cm (29.2 in.)	Paper	5	20.00	43	50.00	48

MANNED SPACECRAFT DATA

SKYLAB S190A			BLACK and WHITE		COLOR	
IMAGE SIZE	NOMINAL SCALE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
50.0mm (2.2 in.)	1:2850000	Film Positive	\$ 8.00	11	\$10.00	51
50.0mm (2.2 in.)	1:2850000	Film Negative	10.00	01		
10.0cm (6.4 in.)	1:1000000	Paper	8.00	23		
32.5cm (12.8 in.)	1:500000	Paper	12.00	24		
65.0cm (25.6 in.)	1:250000	Paper	20.00	26		

SKYLAB S190B			BLACK and WHITE		COLOR	
IMAGE SIZE	NOMINAL SCALE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
11.4cm (4.5 in.)	1:950000	Paper	\$ 6.00	22	\$ 8.00	62
11.4cm (4.5 in.)	1:950000	Film Positive	8.00	12	12.00	63
11.4cm (4.5 in.)	1:950000	Film Negative	10.00	02		
21.8cm (8.6 in.)	1:500000	Paper	8.00	23		
43.4cm (17.1 in.)	1:250000	Paper	12.00	24		
86.9cm (34.2 in.)	1:125000	Paper	20.00	26		

APOLLO/GEMINI			BLACK and WHITE		COLOR	
IMAGE SIZE	NOMINAL SCALE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
55.8mm (2.2 in.)	Variable	Film Positive	\$ 8.00	11	\$10.00	51
55.8mm (2.2 in.)	Variable	Film Negative	10.00	01		
22.6cm (8.9 in.)	Variable	Paper	8.00	23		
49.9cm (19.6 in.)	Variable	Paper	12.00	24		

Figure 17. --

AIRCRAFT DATA

AERIAL MAPPING

IMAGE SIZE	PRODUCT FORMAT
22.9cm (9.0 in.)	Paper
22.9cm (9.0 in.)	Film Positive
22.9cm (9.0 in.)	Film Negative
45.7cm (18.0 in.)	Paper
68.6cm (27.0 in.)	Paper
81.4cm (32.0 in.)	Paper

PHOTO INDEXES

IMAGE SIZE	PRODUCT FORMAT
28.4x31.5cm (11x12 in.)	Paper
OTHER	Paper

NASA RESEARCH

IMAGE SIZE	PRODUCT FORMAT
65.8mm (2.5 in.)	Film Positive
65.8mm (2.5 in.)	Film Negative
11.4cm (4.5 in.)	Paper
11.4cm (4.5 in.)	Film Positive
11.4cm (4.5 in.)	Film Negative
22.9cm (9.0 in.)	Paper
22.9cm (9.0 in.)	Film Positive
22.9cm (9.0 in.)	Film Negative
22.9x45.7cm (9x18 in.)	Paper
22.9x45.7cm (9x18 in.)	Film Positive
22.9x45.7cm (9x18 in.)	Film Negative
45.7cm (18.0 in.)	Paper
68.6cm (27.0 in.)	Paper
81.4cm (32.0 in.)	Paper

BLACK and WHITE

UNIT PRICE	PRODUCT CODE
\$ 3.00	23
6.00	13
6.00	03
10.00	24
10.00	26
20.00	26

BLACK and WHITE

UNIT PRICE	PRODUCT CODE
\$ 8.00	36
8.00	37

COLOR

UNIT PRICE	PRODUCT CODE
\$ 7.00	63
15.00	63
25.00	64
30.00	65
50.00	66

FILM SOURCE

B & W - Size A
B & W - Size B

COLOR

UNIT PRICE	PRODUCT CODE
\$10.00	61
7.00	62
12.00	62
7.00	63
15.00	63
20.00	66
30.00	66
25.00	64
30.00	65
50.00	66

MISCELLANEOUS

MICROFILM

FORMAT
16mm (30.5m/100 ft.)
35mm (30.5m/100 ft.)

BLACK and WHITE

ROLL PRICE	PRODUCT CODE
\$16.00	72
20.00	72

COLOR

ROLL PRICE	PRODUCT CODE
\$40.00	73
45.00	73

KELSH PLATES

FORMAT
Contact Prints on Glass Specify thickness (0.25 or 0.06 inch) and method of printing (emulsion to emulsion or through film base).

BLACK and WHITE

UNIT PRICE	PRODUCT CODE
\$12.00	70

TRANSFORMED PRINTS

FORMAT
From convergent or transverse low oblique photographs

BLACK and WHITE

UNIT PRICE	PRODUCT CODE
\$ 8.00	71

VIEWING SLIDES

FORMAT
35mm mounted duplicate of available printing master

COLOR

UNIT PRICE	PRODUCT CODE
\$ 1.00	60

NOTE: 35mm original will require additional \$6.00, net to include cost of mounted duplicate.

Complete roll reproduction delivered in roll format carries a 50% reduction in frame pricing.
Custom processing of non-standard products is available at three times the standard product price. If a non-standard size is desired, the cost is three times the next larger standard product price.

Priority service with guaranteed five working days shipment is offered for standard products only, at three times the standard product price.

Extra care should be taken to insure that monies and related order forms are forwarded to the same facility.

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